



Cable protection conduits and fitting systems

MATERIAL CHARACTERISTICS



Materials used

MECHANICAL PROPERTIES



Protection classes



Crush resistance

THERMAL CHARACTERISTICS



Temperature / temperature range

FIRE PROPERTIES



Fire classification

GENERAL TECHNICAL DATA



Additional information

APPROVALS AND OPERATING PERMITS



EU railway approval
EN 45545-2



CSA approval



cULus approval



cURus approval



VDE approval



EX approval



ROBI approval

TECHNICAL INFORMATION



Halogen-free
DIN 53474



UV-resistant

CONFORMITY



RoHS (EC Directive 2002/95/EC)

CABLE PROTECTION CONDUITS AND FITTING SYSTEMS

1. Murrflex cable protection conduit closed	Page 559 – 602
1.1 Cable protection conduit type EW	Page 560 – 561
1.2 Cable protection conduit type EWX (high corrugation)	Page 562
1.3 Cable protection conduit type EWS	Page 563
1.4 Cable protection conduit type EWF	Page 564
1.5 Cable protection conduit type EWS/F	Page 565
1.6 Cable protection conduit type EW-PP	Page 566 – 567
1.7 Cable protection conduit type EWL-PP	Page 568 – 569
1.8 Cable protection conduit type EWX-PP (high corrugation)	Page 570
1.9 Cable protection conduit type EW-PA	Page 571 – 572
1.10 Cable protection conduit type EWL-PA	Page 573 – 574
1.11 Cable protection conduit type EWX-PA (high corrugation)	Page 575
1.12 Cable protection conduit type EW-PAB	Page 576 – 577
1.13 Cable protection conduit type EWL-PAB	Page 578
1.14 Cable protection conduit type EW-PAT	Page 579
1.15 Cable protection conduit type EWL-PAT	Page 580
1.16 Cable protection conduit type EW-PA-UL	Page 581 – 582
1.17 Cable protection conduit type EWX-PA-UL (high corrugation)	Page 583
1.18 Cable protection conduit type EW-PRF	Page 584 – 585
1.19 Cable protection conduit type EW-PRT	Page 586
1.20 Cable protection conduit type EW-PAE	Page 587 – 588
1.21 Cable protection conduit type EWX-PAE (high corrugation)	Page 589
1.22 Cable protection conduit type EW-HY	Page 590
1.23 Cable protection conduit type EWX-HY (high corrugation)	Page 591
1.24 Cable protection conduit type EF (rectangular conduit)	Page 592
1.25 Cable protection conduit type EWB	Page 593
1.26 Cable protection conduit type EW-TEF	Page 594
1.27 Cable protection conduit type EW-PA-EX	Page 595
1.28 Cable protection conduit type EW-PAP (with metal braiding)	Page 596
1.29 Cable protection conduit type EW-PATM (with metal braiding)	Page 597
1.30 Cable protection conduit type EL	Page 598
1.31 Cable protection conduit type ELS	Page 599
1.32 Cable protection conduit type EVK	Page 600
1.33 Cable protection conduit type GF (braided conduit)	Page 601
1.34 Cable protection conduit type GF-P (braided conduit)	Page 602
2. Murrflex cable protection conduit open	Page 603 – 614
2.1 Cable protection conduit type EW-LS	Page 604
2.2 Cable protection conduit type EWX-LS (high corrugation)	Page 605
2.3 Cable protection conduit type EW-PA-LS	Page 606
2.4 Cable protection conduit type EWX-PA-LS (high corrugation)	Page 607
2.5 Cable protection conduit type EWX-PP-LS (high corrugation)	Page 608
2.6 Cable protection conduit type EWX-PAE-LS (high corrugation)	Page 609
2.7 Cable protection conduit type EWX-HY-LS (high corrugation)	Page 610
2.8 Cable protection conduit type GF-P-LS	Page 611
2.9 Cable protection conduit type EWT-PA split-flex®	Page 612
2.10 Cable protection conduit type EWT-PAT split-flex®	Page 613
2.11 Cable protection conduit type EWT-PP split-flex®	Page 614
3. Conduit connection / bulkhead fitting	Page 615 – 660
3.1 m-top conduit fitting	Page 617 – 638
3.1.1 Conduit fitting type IVG (metal internal thread)	Page 618
3.1.2 Conduit fitting type VG (plastic thread)	Page 619 – 620
3.1.3 Conduit fitting type VG (metal thread)	Page 621 – 622
3.1.4 Conduit fitting type CVG (conduit and cable fitting, plastic thread)	Page 623
3.1.5 Conduit fitting type CVG EMV (conduit and cable fitting, metal thread)	Page 624
3.1.6 Conduit fitting type VW 45° (plastic thread)	Page 625 – 626
3.1.7 Conduit fitting type VW 45° (metal thread)	Page 627 – 628
3.1.8 Conduit fitting type CVW 45° (conduit and cable fitting, plastic thread)	Page 629
3.1.9 Conduit fitting type CVW 45° EMV (conduit and cable fitting, metal thread)	Page 630

Continued on next page



3.1.10	Conduit fitting type DVW 45° (360° rotatable conduit fitting, metal thread)	Page	631
3.1.11	Conduit fitting type VW 90° (plastic thread)	Page	632 – 633
3.1.12	Conduit fitting type VW 90° (metal thread)	Page	634 – 635
3.1.13	Conduit fitting type CVW 90° (conduit and cable fitting, plastic thread)	Page	636
3.1.14	Conduit fitting type CVW 90° EMV (conduit and cable fitting, metal thread)	Page	637
3.1.15	Conduit fitting type DVW 90° (360° rotatable conduit fitting, metal thread)	Page	638
3.2	m-tec conduit fitting	Page	639 – 652
3.2.1	Conduit fitting type EH	Page	640 – 642
3.2.2	Conduit fitting type EH/S	Page	643 – 644
3.2.3	Conduit fitting type CSKV (conduit and cable fitting)	Page	645 – 646
3.2.4	Conduit fitting type MCSKV (conduit and cable fitting)	Page	647 – 648
3.2.5	Conduit fitting type KW 90°	Page	649 – 650
3.2.6	Conduit fitting type CKW (conduit and cable fitting)	Page	651
3.3	m-fix conduit fitting	Page	653 – 660
3.3.1	Conduit fitting type MSV (plug-in fitting)	Page	654 – 655
3.3.2	Conduit fitting type KSV (conduit and cable fitting)	Page	656 – 657
3.3.3	Conduit fitting type WSV 90° (angle plug-in fitting)	Page	658 – 659
3.3.4	Type DR-NBR (sealing ring)	Page	660
4.	Bulkhead fitting	Page	661 – 666
4.1	Bulkhead fitting type KFW	Page	662 – 663
4.2	Bulkhead fitting type KFW/D	Page	664
4.3	Bulkhead fitting type KFW/X	Page	665
5.	m-jumbo conduit connection	Page	667 – 670
5.1	Conduit fitting type SA-Jumbo (flange connection)	Page	668
5.2	Conduit fitting type KFW-Jumbo (90° flange connection)	Page	669
5.3	Type DS (seal)	Page	670
6.	Special fitting / connection	Page	671 – 678
6.1	Special fitting type EH-EMV	Page	672
6.2	Special fitting type AT	Page	673
6.3	Special fitting type SVT	Page	674
6.4	Special fitting type SVT-X	Page	675
6.5	Special fitting type EVK-PG	Page	676
6.6	Special fitting type FL-EF	Page	677
6.7	Special fitting type ELD/K	Page	678
7.	Cable protection conduit holder	Page	679 – 690
7.1	Variable holders	Page	680 – 681
7.1.1	Holder type HS (conduit holder)	Page	680
7.1.2	Accessories - bracket type HS/B	Page	681
7.2	Fixed holders	Page	682 – 688
7.2.1	Holder type UHE	Page	682
7.2.2	Holder type UH	Page	683
7.2.3	Holder type UHG	Page	684
7.2.4	Type BL (clamping bracket for types UH and UHG)	Page	685
7.2.5	Holder type UHF	Page	686
7.2.6	Holder type USH	Page	687
7.2.7	Holder type UH-S	Page	688
7.3	Rectangular conduit holders	Page	689
7.3.1	Holder type EF/B	Page	689
7.4	Special cable protection conduit holders	Page	690
7.4.1	Holder type USH/D	Page	690

8. Protectors / conduit couplings / conduit distributors	Page 691 – 700
8.1 Protectors	Page 692 – 693
8.1.1 Protector type PR/SV	Page 692 – 693
8.2 Conduit couplings	Page 694
8.2.1 Conduit coupling type SVG	Page 694
8.3 Conduit distributors	Page 695 – 700
8.3.1 Conduit distributor type VT	Page 695 – 696
8.3.2 Conduit distributor type VT-V	Page 697
8.3.3 Conduit distributor type SVY	Page 698
8.3.4 Conduit distributor type YPA-F	Page 699
8.3.5 Conduit distributor type YTPF-F	Page 700
9. Cable fittings	Page 701 – 718
9.1 Cable fitting type m-seal® KV (plastic version)	Page 702 – 703
9.2 Cable fitting type m-seal® MV (metal version)	Page 704 – 705
9.3 Cable fitting type m-seal® EMC (EMV)	Page 706
9.4 Cable fitting type WKK (plastic version)	Page 707 – 709
9.5 Cable fitting type WKK-EX (plastic version)	Page 710
9.6 Cable fitting type WKM (metal version)	Page 711 – 712
9.7 Cable fitting type MWKM (metal version with multi-insert)	Page 713
9.8 Cable fitting type WKM-EMV (metal version)	Page 714
9.9 Cable fitting type KKV	Page 715
9.10 Cable fitting type KV-ME (multi-insert)	Page 716
9.11 Cable fitting type m-seal ME (multi-insert)	Page 717
10. Accessories	Page 719 – 746
10.1 Lock nut type KGM (plastic lock nut)	Page 720 – 721
10.2 Divisible lock nut type GMT (plastic lock nut)	Page 722
10.3 Lock nut type GM (metal lock nut)	Page 723
10.4 Lock nut type GM EMV (metal lock nut for EMC applications)	Page 724
10.5 Dummy plug type BSTK (plastic dummy plug)	Page 725 – 726
10.6 Dummy plug type BST (metal dummy plug)	Page 727
10.7 Reducing bush type KRR (plastic reducing bush)	Page 728 – 729
10.8 Reducing bush type RR (metal reducing bush)	Page 730 – 731
10.9 Extension type ER/EG (metal extension)	Page 732 – 733
10.10 Seal type OR-NBR (O-ring)	Seite 734
10.11 End grommet type ET-EN	Page 735
10.12 End grommet type ET	Page 736
10.13 Connection angle type KAW (plastic connection angle)	Page 737
10.14 Fastening bracket type BWM	Page 738
10.15 Conduit clamp type SS	Page 739
10.16 Conduit clamp type SSG	Page 740
10.17 End cap	Page 741
10.18 Room integrity strip type RAB	Page 742
10.19 Spiral tape type SB/SBF	Page 743
10.20 Spiral tape type SBX	Page 744
10.21 Edge protection profile	Page 745
11. Tools	Page 747 – 750
11.1 Wire insertion tool type KE	Page 748
11.2 Conduit knife type Tube-Cut (Conduit knife for cable protection conduits)	Page 749
11.3 Conduit cutter type m-cut	Page 750

APPENDIX

Selection table cable protection conduits – material / temperatures / approvals	Page 752
Selection table cable protection conduits – applications	Page 753
Selection table cable protection conduits – mechanical protection	Page 754
Selection table fittings – features and approvals	Page 755
Index of types	Page 756



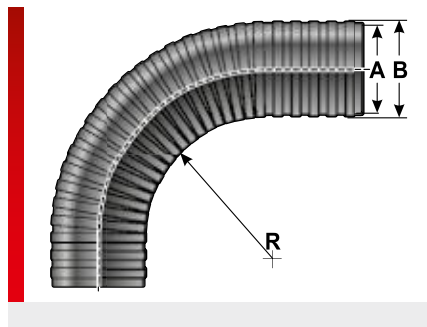


Murrflex cable protection conduits



Murrflex cable protection conduit closed

Type EW



PRODUCT INFORMATION

The EW cable protection conduits are made of specially modified polyethylene. The material is halogen, phosphor and cadmium-free. The EW cable protection conduits are characterized by excellent flexibility and good flexural fatigue strength.

Applications:

- Light mechanical loads
- Plant engineering
- Mechanical engineering
- Control cabinet construction

SPECIFICATIONS

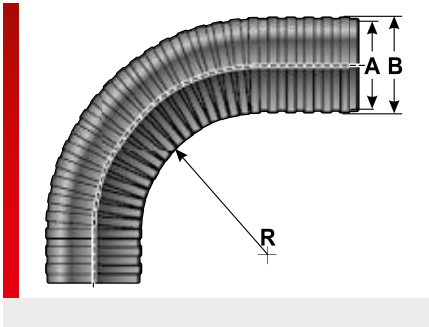
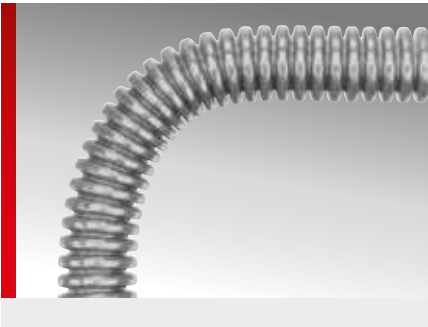
-  -4 – 158 °F short term 194 °F
-  Mod. polyethylene
-  v UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: > 200 N
-  In conformity with IEC EN 61386
Cycles: > 4000 ~



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EW-M10/P7	83101050	Black	0.33	0.45	1.18	1.48	164.04
EW-M12/P9	83101052	Black	0.39	0.50	1.57	1.61	164.04
EW-M16/P11	83101054	Black	0.47	0.62	1.77	2.28	164.04
EW-M20/P16	83101056	Black	0.63	0.83	2.17	3.63	164.04
EW-M25/P21	83101060	Black	0.88	1.11	2.76	5.51	164.04
EW-M32/P29	83101062	Black	1.10	1.34	3.15	7.39	82.02
EW-M40/P36	83101064	Black	1.40	1.68	3.94	8.33	82.02
EW-M50/P48	83101066	Black	1.86	2.12	4.53	13.1	82.02
EW-70 Jumbo	83101070	Black	2.63	3.12	7.09	32.25	82.02
EW-95 Jumbo	83101074	Black	3.56	4.15	7.87	50.4	32.81
EW-M10/P7	83101010	Gray	0.33	0.45	1.18	1.48	164.04
EW-M12/P9	83101012	Gray	0.39	0.50	1.57	1.61	164.04
EW-M16/P11	83101014	Gray	0.47	0.62	1.77	2.28	164.04
EW-M20/P16	83101016	Gray	0.63	0.83	2.17	3.63	164.04
EW-M25/P21	83101022	Gray	0.88	1.11	2.76	5.51	164.04
EW-M32/P29	83101026	Gray	1.10	1.34	3.15	7.39	82.02
EW-M40/P36	83101030	Gray	1.40	1.68	3.94	8.33	82.02
EW-M50/P48	83101032	Gray	1.86	2.12	4.53	13.1	82.02
EW-70 Jumbo	83101036	Gray	2.63	3.12	7.09	32.25	82.02
EW-95 Jumbo	83101040	Gray	3.56	4.15	7.87	50.4	32.81

[illegible]

Type EWX (high corrugation)



PRODUCT INFORMATION

The EWX cable protection conduits are made of specially modified polyethylene. The material is halogen, phosphor and cadmium-free. For medium mechanical loads in mechanical and plant engineering (e.g. bundling of cables on machines).

The EWX cable protection conduits have a higher corrugation and feature the following advantages:

- Excellent flexibility
- Less wear
- Good crush resistance

SPECIFICATIONS

	-4 – 158 °F short term 194 °F
	Mod. polyethylene
	Acc. to UL94 HB
	In conformity with IEC EN 61386 Crush resistance: > 600 N
	In conformity with IEC EN 61386 Cycles: > 1600 ~



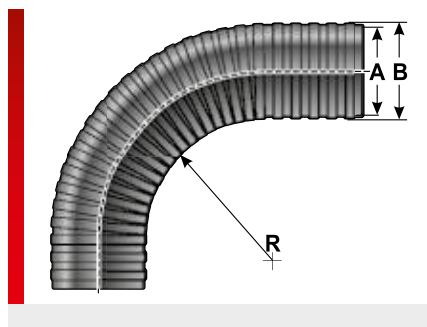
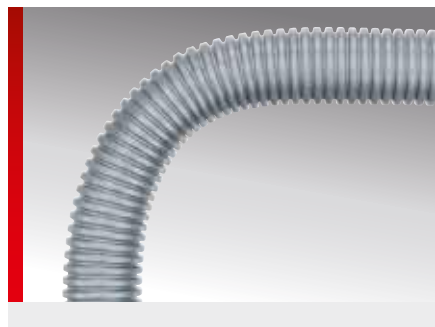




Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
High corrugation							
EWX-M25/P21	83102018	Gray	0.71	1.10	1.93	6.05	164.04
EWX-M32/P29	83102020	Gray	0.89	1.33	2.24	7.73	82.02
EWX-M40/P36 ¹⁾	83102022	Gray	1.14	1.65	2.80	10.75	82.02
EWX-M50/P48 ¹⁾	83102024	Gray	1.46	2.12	3.43	17.47	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWS



PRODUCT INFORMATION

The EWS cable protection conduits are made of specially modified polyethylene. The material is halogen, phosphor and cadmium-free.

They are characterized by excellent flexibility and good resetting characteristics.

The EWS Cable conduits are suitable for light mechanical loads in control cabinet construction and wherever cables are bundled.

Applications:

- Control cabinet construction

SPECIFICATIONS



-4 – 158 °F short term 194 °F



Mod. polyethylene



Acc. to UL94 HB



In conformity with IEC EN 61386

Crush resistance: $> 400 \text{ N}$



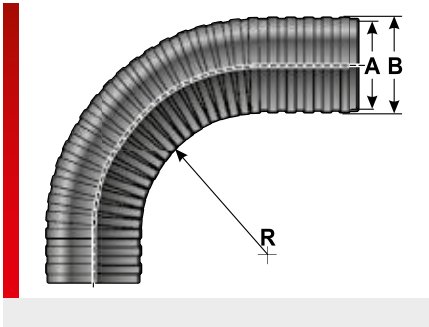
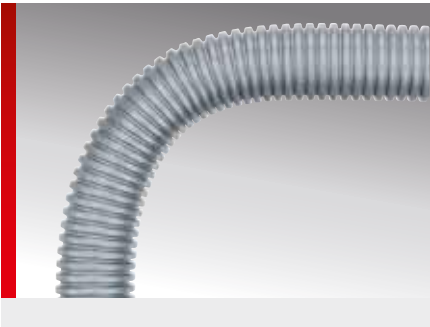
In conformity with IEC EN 61386

Cycles: > 40000 ~



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWS-M20/P16	83101610	Gray	0.63	0.82	2.17	3.63	164.04
EWS-M25/P21	83101612	Gray	0.88	1.11	2.76	5.51	164.04
EWS-M32/P29	83101614	Gray	1.10	1.34	3.15	6.38	82.02
EWS-M40/P36	83101616	Gray	1.40	1.67	3.94	8.33	82.02
EWS-M50/P48	83101618	Gray	1.86	2.12	4.53	13.1	82.02
Narrow corrugation							
EWS-M32/P29S ¹⁾	83101620	Gray	1.12	1.33	3.15	6.38	82.02
¹⁾ No stock goods, delivery time and minimum order quantities upon request							

Type EWF



PRODUCT INFORMATION

The EWF cable protection conduits are made of specially modified polyethylene. The material is halogen, phosphor and cadmium-free.

The self-extinguishing EWF cable protection conduits are characterized by excellent flexibility and good flexural fatigue strength. For light mechanical loads in mechanical and plant engineering (e.g. bundling of cables at the control cabinet door).

- Applications:
- Plant engineering
 - Mechanical engineering
 - Control cabinet construction

SPECIFICATIONS


-4 – 194 °F short term 248 °F


Mod. polyethylene


Acc. to UL94 V2 self-extinguishing


In conformity with IEC EN 61386
Crush resistance: > 400 N


In conformity with IEC EN 61386
Cycles: > 2500 ~





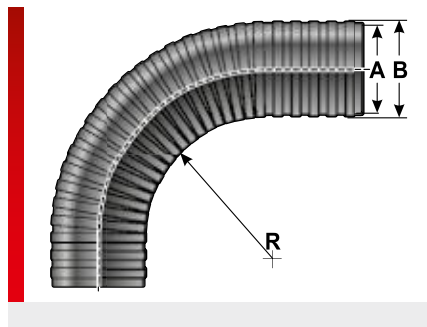
Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWF-M12/P9 ¹⁾	83101410	Gray	0.39	0.50	1.38	1.61	164.04
EWF-M16/P11 ¹⁾	83101412	Gray	0.47	0.62	1.57	2.28	164.04
EWF-M20/P16	83101414	Gray	0.63	0.83	2.17	3.63	164.04
EWF-M25/P21	83101416	Gray	0.88	1.11	2.56	5.51	164.04
EWF-M32/P29	83101418	Gray	1.10	1.34	2.95	7.39	82.02
EWF-M40/P36	83101420	Gray	1.40	1.68	3.35	8.33	82.02
EWF-M50/P48 ¹⁾	83101422	Gray	1.86	2.12	3.74	13.1	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

RoHS HF Made in Germany

565

Type EW-PP



PRODUCT INFORMATION

The self-extinguishing EW-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free.

The EW-PP cable protection conduits are characterized by outstanding chemical resistance, good crush and impact resistance. For static and dynamic applications involving medium to high mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Chemical plants

SPECIFICATIONS

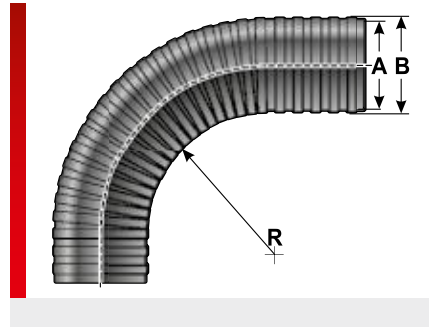
-  -40 – 266 °F short term 302 °F
-  Mod. polypropylene
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 900 N
-  In conformity with IEC EN 61386
Cycles: > 3100000 ~



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-PP-M10/P7	83201050	Black	0.32	0.45	0.83	2.76	1.21	164.04
EW-PP-M12/P9	83201052	Black	0.38	0.50	1.02	3.15	1.61	164.04
EW-PP-M16/P11	83201054	Black	0.47	0.62	1.30	3.94	2.35	164.04
EW-PP-M20/P16	83201056	Black	0.61	0.83	1.81	7.09	3.36	164.04
EW-PP-M25/P21	83201058	Black	0.89	1.11	2.32	9.06	6.25	164.04
EW-PP-M32/P29	83201060	Black	1.09	1.35	2.83	11.02	7.39	82.02
EW-PP-M40/P36	83201062	Black	1.37	1.66	3.39	12.20	10.62	82.02
EW-PP-M50/P48	83201064	Black	1.84	2.13	4.21	13.78	13.78	82.02
EW-PP 56	83201067	Black	2.21	2.67	5.51	18.90	25.87	82.02
EW-PP-70 Jumbo	83201066	Black	2.67	3.14	6.30	23.62	26.88	82.02
EW-PP-95 Jumbo	83201068	Black	3.53	4.19	7.87	31.50	45.02	32.81
EW-PP-M10/P7 ¹⁾	83201010	Gray	0.32	0.45	0.83	2.76	0.87	164.04
EW-PP-M12/P9	83201012	Gray	0.38	0.50	1.02	3.15	1.61	164.04
EW-PP-M16/P11	83201014	Gray	0.47	0.62	1.30	3.94	2.35	164.04
EW-PP-M20/P16	83201016	Gray	0.61	0.83	1.81	7.09	3.49	164.04
EW-PP-M25/P21	83201018	Gray	0.85	1.11	2.32	9.06	6.25	164.04
EW-PP-M32/P29	83201020	Gray	1.09	1.35	2.83	11.02	7.39	82.02
EW-PP-M40/P36	83201022	Gray	1.37	1.66	3.39	12.20	10.75	82.02
EW-PP-M50/P48	83201024	Gray	1.84	2.13	4.21	13.78	13.78	82.02
EW-PP-70 Jumbo ¹⁾	83201026	Gray	2.67	3.14	6.30	23.62	27.55	82.02
EW-PP-95 Jumbo	83201028	Gray	3.53	4.19	7.87	31.50	45.02	32.81

Type EW-PP (Continued...)[illegible]

Type EWL-PP



PRODUCT INFORMATION

The self-extinguishing EWL-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free.

The EWL-PP cable protection conduits are characterized by outstanding chemical resistance, good crush and impact resistance. For static and dynamic applications involving medium mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Chemical industry

SPECIFICATIONS

-  -40 – 266 °F short term 302 °F
-  Mod. polypropylene
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 700 N
-  In conformity with IEC EN 61386
Cycles: > 300000 ~
-  In conformity with IEC EN 61386
Tier: 3



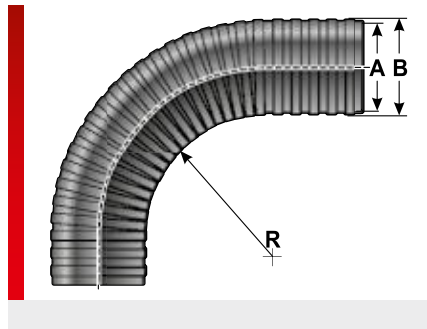
Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWL-PP-06	83204052	Black	0.26	0.39	0.55	1.01	328.08
EWL-PP-M10/P07	83204054	Black	0.33	0.45	0.67	1.01	328.08
EWL-PP-M12/P09	83204056	Black	0.39	0.50	0.79	1.34	328.08
EWL-PP-M16/P11	83204058	Black	0.48	0.62	1.18	2.02	328.08
EWL-PP-M18/P13	83204060	Black	0.56	0.72	1.18	2.69	164.04
EWL-PP-M20/P16	83204062	Black	0.62	0.83	1.97	2.89	328.08
EWL-PP-19	83204064	Black	0.76	0.94	2.05	4.03	164.04
EWL-PP-M25/P21	83204066	Black	0.86	1.11	2.36	5.51	328.08
EWL-PP-26	83204076	Black	1.02	1.23	2.56	6.18	164.04
EWL-PP-M32/P29	83204068	Black	1.10	1.35	2.76	5.17	164.04
EWL-PP-M40/P36	83204070	Black	1.37	1.66	3.15	9.07	82.02
EWL-PP-M50/P48	83204072	Black	1.85	2.13	3.74	11.69	82.02
EWL-PP-M10/P07 ⁽¹⁾	83204014	Gray	0.33	0.45	0.67	1.01	328.08
EWL-PP-M12/P09	83204016	Gray	0.39	0.50	0.79	1.08	328.08
EWL-PP-M16/P11 ⁽¹⁾	83204018	Gray	0.48	0.62	1.18	1.34	328.08
EWL-PP-M20/P16	83204022	Gray	0.62	0.83	1.97	2.28	328.08
EWL-PP-M25/P21 ⁽¹⁾	83204026	Gray	0.86	1.11	2.36	4.37	328.08
EWL-PP-M32/P29	83204028	Gray	1.10	1.35	2.76	5.78	164.04
EWL-PP-M40/P36 ⁽¹⁾	83204030	Gray	1.37	1.66	3.15	8.4	82.02
EWL-PP-M50/P48	83204032	Gray	1.85	2.13	3.74	11.69	82.02

Type EWL-PP (Continued...)

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Narrow corrugation							
EWL-PP-M16/P11S	83204059	Black	0.50	0.62	0.98	1.88	328.08
EWL-PP-M20/P16S	83204063	Black	0.65	0.82	1.77	3.23	328.08
EWL-PP-M25/P21S	83204067	Black	0.89	1.11	2.17	4.37	328.08
EWL-PP-M32/P29S	83204069	Black	1.14	1.35	2.56	5.31	164.04
EWL-PP-M40/P36S	83204071	Black	1.41	1.66	2.95	9.07	82.02
EWL-PP-M50/P48S	83204073	Black	1.85	2.13	3.54	10.75	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWX-PP (high corrugation)



PRODUCT INFORMATION

The self-extinguishing EWX-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free.

The EWX-PP cable protection conduits are characterized by outstanding chemical resistance, good crush and impact resistance. For static and dynamic applications involving medium to high mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Chemical plants

SPECIFICATIONS

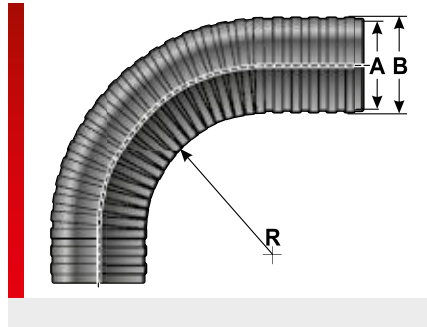
-  -40 – 266 °F short term 302 °F
-  Mod. polypropylene
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 1500 N
-  In conformity with IEC EN 61386
Cycles: > 2000000 ~
-  In conformity with IEC EN 61386
Tier: 3



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-PP-M25/P21 ¹⁾	83202858	Black	0.72	1.10	1.97	4.33	6.05	164.04
EWX-PP-M32/P29 ¹⁾	83202860	Black	0.89	1.35	2.36	4.72	8.2	82.02
EWX-PP-M40/P36	83202862	Black	1.12	1.65	2.76	5.91	9.41	82.02
EWX-PP-M50/P48 ¹⁾	83202864	Black	1.46	2.12	3.54	6.69	15.12	82.02
EWX-PP-56 Jumbo ¹⁾	83202866	Black	2.06	2.66	3.74	8.66	26.88	82.02
EWX-PP-70 Jumbo ¹⁾	83202868	Black	2.52	3.17	4.53	9.25	36.96	82.02
EWX-PP-95 Jumbo ¹⁾	83202870	Black	3.46	4.17	8.66	26.38	47.04	32.81

¹⁾No stock goods, delivery time and minimum order quantities upon request

Type EW-PA



PRODUCT INFORMATION

The EW-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The conduits are for universal use in both mechanical and plant engineering and vehicle engineering.

The EW-PA cable protection conduits feature the following advantages:

- High crush resistance
- Good flexibility
- Medium to high loads in static applications

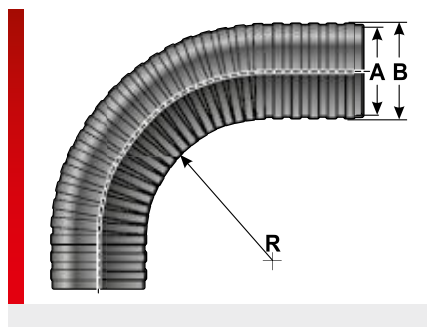
SPECIFICATIONS

	-40 – 248 °F short term 320 °F
	Mod. polyamide PA 6
	Acc. to UL94 HB
	In conformity with IEC EN 61386 Crush resistance: > 800 N
	In conformity with IEC EN 61386 Cycles: > 24000 ~
	In conformity with IEC EN 61386 System tear-out strength: > 350 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EW-PA-4,5	83161051	Black	0.20	0.28	0.79	1.21	328.08
EW-PA-06	83161050	Black	0.26	0.39	0.83	1.48	164.04
EW-PA-M10/P7	83161052	Black	0.33	0.46	0.94	1.68	164.04
EW-PA-M12/P9	83161054	Black	0.38	0.51	1.02	1.88	164.04
EW-PA-M12/P09 ¹⁾	83988294	Black	0.38	0.51	1.02	1.88	9842.52
EW-PA-M16/P11	83161056	Black	0.47	0.62	1.50	2.55	164.04
EW-PA-M16/P11 ¹⁾	83988293	Black	0.47	0.62	1.50	2.55	7545.93
EW-PA-M20/P16	83161060	Black	0.61	0.83	2.17	3.9	164.04
EW-PA-M20/P16 ¹⁾	83988292	Black	0.61	0.83	2.17	3.9	3608.92
EW-PA-M25/P21	83161064	Black	0.86	1.12	2.52	6.05	164.04
EW-PA-M25/P21 ¹⁾	83988291	Black	0.86	1.12	2.52	6.05	2296.59
EW-PA-M32/P29	83161072	Black	1.09	1.36	2.83	9.07	82.02
EW-PA-M32/P29 ¹⁾	83988290	Black	1.09	1.36	2.83	9.07	1312.34
EW-PA-M40/P36 ²⁾	83161076	Black	1.37	1.67	3.19	10.08	82.02
EW-PA-M50/P48	83161078	Black	1.85	2.14	3.82	14.78	82.02
EW-PA-56 Jumbo	83161081	Black	2.20	2.66	4.53	25.87	82.02
EW-PA-70 Jumbo	83161082	Black	2.65	3.14	6.30	30.91	82.02
EW-PA-95 Jumbo	83161086	Black	3.53	4.19	7.87	53.76	32.81
EW-PA-06	83161010	Gray	0.26	0.39	0.83	1.48	164.04
EW-PA-M10/P7	83161012	Gray	0.33	0.46	0.94	1.68	164.04
EW-PA-M12/P9	83161014	Gray	0.38	0.51	1.02	1.88	164.04

Type EW-PA (Continued...)



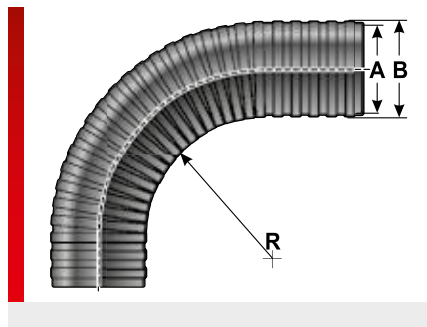
Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EW-PA-M16/P11	83161016	Gray	0.47	0.62	1.50	2.55	164.04
EW-PA-M20/P16	83161018	Gray	0.61	0.83	2.17	3.9	164.04
EW-PA-M25/P21	83161022	Gray	0.86	1.12	2.52	6.05	164.04
EW-PA-M32/P29	83161026	Gray	1.09	1.36	2.83	9.07	82.02
EW-PA-M40/P36 ²⁾	83161028	Gray	1.37	1.67	3.19	10.08	82.02
EW-PA-M50/P48	83161030	Gray	1.85	2.14	3.82	14.78	82.02
EW-PA-56 Jumbo ³⁾	83161031	Gray	2.20	2.66	4.53	25.87	82.02
EW-PA-70 Jumbo	83161032	Gray	2.65	3.14	6.30	30.91	82.02
EW-PA-95 Jumbo ³⁾	83161034	Gray	3.53	4.19	7.87	53.76	32.81
Narrow corrugation							
EW-PA-M20/P16S	83162062	Black	0.65	0.83	1.97	4.23	164.04
EW-PA-M25/P21S	83162064	Black	0.90	1.11	2.32	6.05	164.04
EW-PA-M32/P29S	83162072	Black	1.12	1.35	2.64	9.07	82.02
EW-PA-M40/P36S	83162076	Black	1.42	1.65	2.99	10.08	82.02
EW-PA-M50/P48S	83162080	Black	1.86	2.13	3.62	14.78	82.02
EW-PA-M20/P16S	83162020	Gray	0.65	0.83	1.97	4.23	164.04
EW-PA-M25/P21S	83162022	Gray	0.90	1.11	2.32	6.05	164.04
EW-PA-M32/P29S	83162026	Gray	1.12	1.35	2.64	9.07	82.02
EW-PA-M40/P36S	83162030	Gray	1.42	1.65	2.99	10.08	82.02
EW-PA-M50/P48S	83162034	Gray	1.86	2.13	3.62	14.78	82.02

¹⁾ One piece corrugated conduit in the Octabin container

²⁾ With CSA approval

³⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWL-PA



PRODUCT INFORMATION

The EWL-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The affordable EWL-PA cable protection conduits are characterized by their good crush and impact resistance.

For static applications involving low to medium mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Vehicle engineering

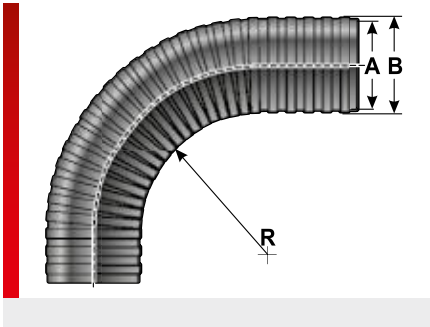
SPECIFICATIONS

-  -40 – 248 °F short term 320 °F
-  Mod. polyamide PA 6
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: > 600 N
-  In conformity with IEC EN 61386
Cycles: > 16000 ~
-  In conformity with IEC EN 61386
System tear-out strength: > 350 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWL-PA-M10/P07	83164054	Black	0.34	0.46	0.67	1.41	328.08
EWL-PA-M12/P09	83164056	Black	0.39	0.51	0.79	1.61	328.08
EWL-PA-M16/P11	83164058	Black	0.48	0.62	0.98	2.22	328.08
EWL-PA-M20/P16	83164062	Black	0.62	0.83	1.97	3.36	328.08
EWL-PA-M25/P21	83164066	Black	0.87	1.10	2.36	5.51	328.08
EWL-PA-M32/P29	83164068	Black	1.10	1.36	2.76	8.06	164.04
EWL-PA-M40/P36	83164070	Black	1.38	1.67	3.15	8.6	82.02
EWL-PA-M50/P48	83164072	Black	1.86	2.14	3.74	12.77	82.02
EWL-PA-M10/P07	83164014	Gray	0.34	0.46	0.67	1.41	328.08
EWL-PA-M12/P09	83164016	Gray	0.39	0.51	0.79	1.61	328.08
EWL-PA-M16/P11	83164018	Gray	0.48	0.62	0.98	2.22	328.08
EWL-PA-M20/P16	83164022	Gray	0.62	0.83	1.97	3.36	328.08
EWL-PA-M25/P21	83164026	Gray	0.87	1.12	2.36	5.51	328.08
EWL-PA-M32/P29	83164028	Gray	1.10	1.36	2.76	8.06	164.04
EWL-PA-M40/P36	83164030	Gray	1.38	1.67	3.15	8.6	82.02
EWL-PA-M50/P48	83164032	Gray	1.86	2.14	3.74	12.77	82.02
Narrow corrugation							
EWL-PA-06S ¹⁾	83164053	Black	0.26	0.39	0.51	1.21	328.08
EWL-PA-M16/P11S	83164060	Black	0.50	0.63	0.98	2.22	328.08
EWL-PA-M20/P16S	83164081	Black	0.66	0.83	1.77	3.36	328.08

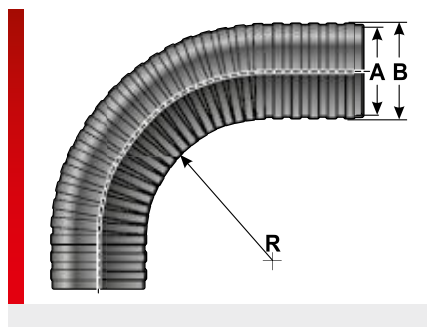
Type EWL-PA (Continued...)



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EWL-PA-M25/P21S	83164082	Black	0.91	1.11	1.97	5.51	328.08
EWL-PA-M32/P29S	83164067	Black	1.13	1.35	2.36	8.06	164.04
EWL-PA-M40/P36S	83164069	Black	1.43	1.65	2.95	9.41	82.02
EWL-PA-M50/P48S	83164071	Black	1.87	2.13	3.54	12.77	82.02
EWL-PA-M20/P16S	83164021	Gray	0.66	0.83	1.77	3.36	328.08
EWL-PA-M25/P21S	83164025	Gray	0.91	1.11	1.97	5.51	328.08
EWL-PA-M32/P29S	83164027	Gray	1.13	1.35	2.36	8.06	164.04
EWL-PA-M40/P36S	83164029	Gray	1.43	1.65	2.95	8.6	82.02
EWL-PA-M50/P48S	83164031	Gray	1.87	2.13	3.54	12.77	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWX-PA (high corrugation)



PRODUCT INFORMATION

The EWX-PA cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The conduits are for universal use in both mechanical and plant engineering and vehicle engineering.

The EWX-PA cable protection conduits feature the following advantages:

- High crush resistance
- Good flexibility
- Less wear
- High to extreme loads in static applications

SPECIFICATIONS



-40 – 248 °F short term 320 °F



Mod. polyamide PA 6



Acc. to UL94 HB



In conformity with IEC EN 61386
Crush resistance: > 1600 N



In conformity with IEC EN 61386
Cycles: > 13000 ~

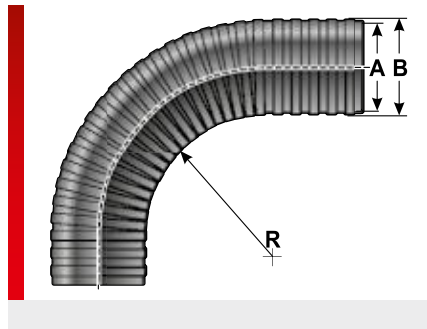


In conformity with IEC EN 61386
System tear-out strength: > 150 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
High corrugation							
EWX-PA-M25/P21	83162858	Black	0.73	1.11	1.93	7.06	164.04
EWX-PA-M32/P29	83162860	Black	0.90	1.36	2.24	8.53	82.02
EWX-PA-M40/P36	83162862	Black	1.13	1.68	2.80	13.78	82.02
EWX-PA-M50/P48	83162864	Black	1.44	2.12	3.43	15.46	82.02

Type EW-PAB



PRODUCT INFORMATION

The EW-PAB cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EW-PAB cable protection conduits feature excellent crush resistance, self-extinguish extremely well and produce very low levels of smoke gas.

For static applications involving medium to high mechanical loads.

Applications:

- Building technologies
- Mechanical engineering
- Plant engineering

Specification:

- GOST R 53313-2009

SPECIFICATIONS

-  -40 – 248 °F short term 320 °F
-  Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing S4
-  In conformity with IEC EN 61386
Crush resistance: > 1100 N
-  In conformity with IEC EN 61386
Cycles: > 1200 ~
-  In conformity with IEC EN 61386
Tier: 4
-  In conformity with IEC EN 61386
System tear-out strength: > 540 N

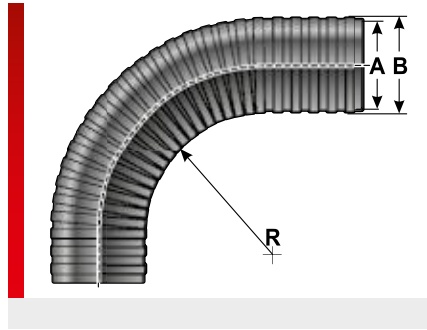


Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EW-PAB-06	83162250	Black	0.26	0.39	0.91	1.41	164.04
EW-PAB-M12/P9	83162254	Black	0.38	0.51	1.02	1.75	164.04
EW-PAB-M16/P11	83162256	Black	0.47	0.62	1.50	2.28	164.04
EW-PAB-M20/P16	83162258	Black	0.61	0.83	2.20	4.23	164.04
EW-PAB-M25/P21	83162262	Black	0.85	1.12	2.52	6.45	164.04
EW-PAB-M32/P29	83162266	Black	1.09	1.36	3.03	8.4	82.02
EW-PAB-M40/P36 ¹⁾	83162268	Black	1.39	1.68	3.58	10.08	82.02
EW-PAB-M50/P48	83162270	Black	1.84	2.14	4.61	13.44	82.02
EW-PAB-70 Jumbo	83162278	Black	2.64	3.15	7.87	30.91	82.02
EW-PAB-95 Jumbo ²⁾	83162282	Black	3.52	4.17	10.43	59.13	32.81
EW-PAB-M12/P9	83162214	Gray	0.39	0.51	1.02	1.88	164.04
EW-PAB-M16/P11	83162216	Gray	0.47	0.62	1.50	2.28	164.04
EW-PAB-M25/P21	83162222	Gray	0.88	1.12	2.52	6.45	164.04
EW-PAB-M32/P29	83162226	Gray	1.12	1.36	3.03	8.4	82.02
EW-PAB-M40/P36 ¹⁾	83162228	Gray	1.42	1.67	3.58	10.42	82.02
EW-PAB-M50/P48	83162230	Gray	1.83	2.14	4.61	13.44	82.02
EW-PAB-70 Jumbo	83162238	Gray	2.66	3.15	7.87	30.91	82.02
EW-PAB-95 Jumbo ²⁾	83162242	Gray	3.60	4.17	10.43	53.76	32.81

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Narrow corrugation							
EW-PAB-M20/P16S	83162260	Black	0.65	0.83	2.20	4.23	164.04
EW-PAB-M25/P21S	83162462	Black	0.90	1.11	2.52	5.85	164.04
EW-PAB-M32/P29S	83162466	Black	1.12	1.35	3.03	8.4	82.02
EW-PAB-M20/P16S	83162220	Gray	0.66	0.83	2.20	4.43	164.04
EW-PAB-M25/P21S ²⁾	83162422	Gray	0.91	1.12	2.52	5.91	164.04
EW-PAB-M32/P29S ²⁾	83162426	Gray	1.14	1.36	3.03	9.41	82.02

²⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWL-PAB



PRODUCT INFORMATION

The EWL-PAB cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The affordable EWL-PAB cable protection conduits are characterized by their excellent self-extinguishing properties and high crush and impact resistance.

For static applications involving low to medium mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Vehicle engineering

SPECIFICATIONS

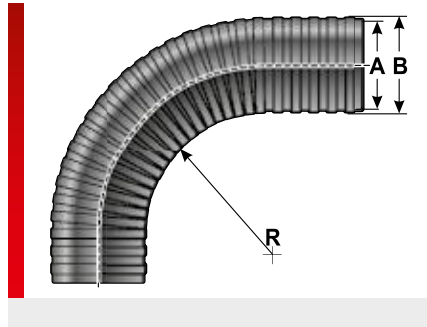
-  -40 – 248 °F short term 320 °F
-  Mod. polyamide PA 6
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 1100 N
-  In conformity with IEC EN 61386
Cycles: > 500 ~
-  In conformity with IEC EN 61386
Tier: 4
-  In conformity with IEC EN 61386
System tear-out strength: > 540 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWL-PAB-M16/P11	83164158	Black	0.47	0.62	0.98	1.78	328.08
EWL-PAB-M20/P16	83164162	Black	0.62	0.83	1.97	3.63	328.08
EWL-PAB-M25/P21 ¹⁾	83164166	Black	0.86	1.12	2.17	4.7	328.08
EWL-PAB-M32/P29	83164168	Black	1.10	1.36	2.76	7.26	164.04
EWL-PAB-M40/P36	83164170	Black	1.39	1.68	3.15	8.6	82.02
Narrow corrugation							
EWL-PAB-M20/P16S ¹⁾	83164164	Black	0.66	0.83	1.77	3.63	328.08
EWL-PAB-M25/P21S ¹⁾	83164167	Black	0.91	1.11	1.97	4.97	328.08
EWL-PAB-M32/P29S ¹⁾	83164169	Black	1.13	1.35	2.36	7.12	164.04
EWL-PAB-M40/P36S ¹⁾	83164171	Black	1.44	1.65	2.95	8.6	82.02
EWL-PAB-M50/P48S ¹⁾	83164173	Black	1.87	2.13	3.54	11.42	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EW-PAT



PRODUCT INFORMATION

The EW-PAT cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EW-PAT cable protection conduits feature excellent crush resistance, self-extinguish very well and produce very low levels of smoke gas.

For static applications involving medium to high mechanical loads.

This product's excellent fire safety properties make it suitable for use in both rail transport systems and exposed layouts in building service applications.

Specification:

- EN 45545-2 3x HL3
- GOST R 53313-2009

SPECIFICATIONS

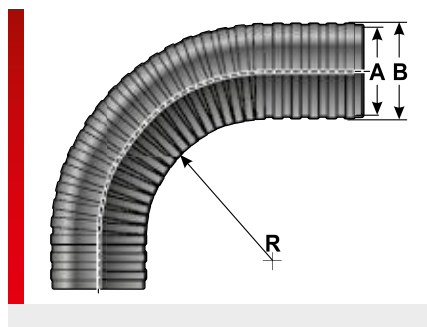
-  -40 – 248 °F short term 356 °F
-  Mod. polyamide PA 6
-  Acc. to UL94 V2 self-extinguishing S4
-  In conformity with IEC EN 61386
Crush resistance: > 1400 N
-  In conformity with IEC EN 61386
Cycles: > 1200 ~
-  In conformity with IEC EN 61386
Tier: 3
-  In conformity with IEC EN 61386
System tear-out strength: > 500 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EW-PAT-06 ¹⁾	83165050	Black	0.26	0.39	0.79	1.48	164.04
EW-PAT-M10/P7	83165051	Black	0.33	0.46	0.94	1.61	164.04
EW-PAT-M12/P9	83165052	Black	0.39	0.51	1.02	2.02	164.04
EW-PAT-M16/P11	83165054	Black	0.47	0.63	1.50	2.55	164.04
EW-PAT-M20/P16	83165056	Black	0.61	0.83	2.20	4.7	164.04
EW-PAT-M25/P21	83165058	Black	0.86	1.12	2.52	7.06	164.04
EW-PAT-M32/P29	83165060	Black	1.09	1.37	3.03	9.07	82.02
EW-PAT-M40/P36	83165062	Black	1.40	1.69	3.58	10.75	82.02
EW-PAT-M50/P48	83165064	Black	1.84	2.14	4.61	14.78	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWL-PAT



PRODUCT INFORMATION

The EWL-PAT cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EWL-PAT cable protection conduits feature good crush resistance, self-extinguish well and produce very low levels of smoke gas.

For static applications involving light to medium mechanical loads.

This product's excellent fire safety properties make it suitable for use in both rail transport systems and exposed layouts in building service applications.

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS



-40 – 248 °F short term 356 °F



Mod. polyamide PA 6



Acc. to UL94 V2 self-extinguishing



In conformity with IEC EN 61386
Crush resistance: > 1000 N



In conformity with IEC EN 61386
Cycles: > 1200 ~



In conformity with IEC EN 61386
Tier: 3

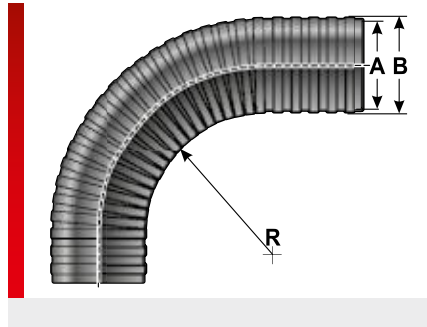


In conformity with IEC EN 61386
System tear-out strength: > 500 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EWL-PAT-M12/P9	83155252	Black	0.40	0.51	1.02	1.55	164.04
EWL-PAT-M16/P11	83155254	Black	0.48	0.63	1.50	2.08	164.04
EWL-PAT-M20/P16	83155256	Black	0.61	0.83	2.20	3.76	164.04
EWL-PAT-M25/P21	83155258	Black	0.87	1.12	2.52	5.78	164.04
EWL-PAT-M32/P29	83155260	Black	1.10	1.37	3.03	7.53	82.02
EWL-PAT-M40/P36	83155262	Black	1.41	1.69	3.58	9.14	82.02
EWL-PAT-M50/P48	83155264	Black	1.85	2.14	4.61	12.77	82.02

Type EW-PA-UL



PRODUCT INFORMATION

The EW-PA-UL cable protection conduits are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The EW-PA-UL cable protection conduits feature very high crush resistance, self-extinguish extremely well and produce very low levels of smoke gas.

For static applications involving high mechanical loads.

Applications:

- Plant engineering
- Mechanical engineering
- Mining
- Vehicle engineering

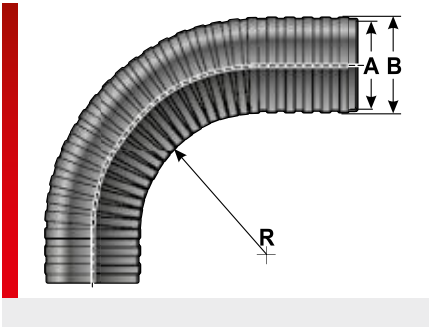
SPECIFICATIONS

-  -40 – 248 °F short term 320 °F
-  Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 1700 N
-  In conformity with IEC EN 61386
Cycles: > 1300 ~
-  In conformity with IEC EN 61386
Tier: 3
-  In conformity with IEC EN 61386
System tear-out strength: > 700 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
Standard corrugation							
EW-PA-UL-06	83161250	Black	0.25	0.39	0.91	1.61	164.04
EW-PA-UL-M10/P7	83161252	Black	0.33	0.46	1.02	1.81	164.04
EW-PA-UL-M12/P9	83161254	Black	0.37	0.51	1.42	2.42	164.04
EW-PA-UL-M16/P11	83161256	Black	0.46	0.62	1.89	3.16	164.04
EW-PA-UL-M20/P16	83161258	Black	0.60	0.83	2.17	5.38	164.04
EW-PA-UL-M25/P21	83161262	Black	0.85	1.12	2.56	9.41	164.04
EW-PA-UL-M32/P29	83161264	Black	1.08	1.36	3.03	11.42	82.02
EW-PA-UL-M40/P36 ¹⁾	83161266	Black	1.37	1.68	3.78	15.12	82.02
EW-PA-UL-M50/P48	83161268	Black	1.83	2.14	4.41	20.16	82.02
EW-PA-UL 70 Jumbo	83161280	Black	2.62	3.15	6.30	40.32	82.02
EW-PA-UL-06 ²⁾	83161210	Gray	0.25	0.39	0.91	1.55	164.04
EW-PA-UL-M10/P7	83161212	Gray	0.33	0.46	1.02	1.81	164.04
EW-PA-UL-M12/P9	83161214	Gray	0.37	0.51	1.42	2.35	164.04
EW-PA-UL-M16/P11	83161216	Gray	0.46	0.62	1.89	3.16	164.04
EW-PA-UL-M20/P16	83161218	Gray	0.60	0.83	2.17	5.04	164.04
EW-PA-UL-M25/P21	83161222	Gray	0.85	1.12	2.56	9.41	164.04
EW-PA-UL-M32/P29	83161224	Gray	1.08	1.36	3.03	12.1	82.02
EW-PA-UL-M40/P36 ¹⁾	83161226	Gray	1.37	1.68	3.78	16.13	82.02

Type EW-PA-UL (Continued...)



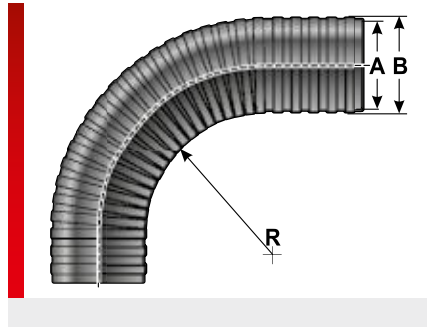
Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EW-PA-UL-M50/P48	83161228	Gray	1.83	2.14	4.41	20.16	82.02
Narrow corrugation							
EW-PA-UL-M20/P16S	83161260	Black	0.65	0.83	2.28	6.32	164.04
EW-PA-UL-M20/P16S ²⁾	83161220	Gray	0.65	0.83	2.28	6.32	164.04
EW-PA-UL-M25/P21S ²⁾	83163222	Gray	0.89	1.11	2.56	9.41	164.04

¹⁾ With CSA approval

²⁾ No stock goods, delivery time and minimum order quantities upon request

RoHS HF UV SPC cULus Made in Germany

Type EW-PRF



PRODUCT INFORMATION

The EW-PRF cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.

The conduits are suitable for dynamic applications involving medium to high mechanical loads. The EW-PRF cable protection conduits are used both in robotics engineering as well as in the aviation industry.

They feature the following advantages:

- High flexibility
- Excellent impact strength
- Excellent self-extinguishing properties
- Very low levels of smoke gas

SPECIFICATIONS

	-40 – 221 °F short term 302 °F
	Mod. polyamide PA 12
	Acc. to UL94 V2 self-extinguishing
	In conformity with IEC EN 61386 Crush resistance: > 1100 N
	In conformity with IEC EN 61386 Cycles: > 16000 ~
	In conformity with IEC EN 61386 Tier: 4
	In conformity with IEC EN 61386 System tear-out strength: > 520 N

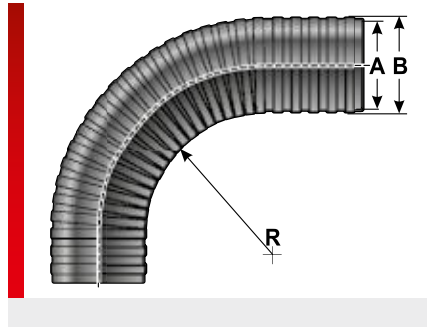


Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-PRF-M10/P7	83181252	Black	0.33	0.46	0.83	1.81	1.34	164.04
EW-PRF-M12/P9	83181254	Black	0.39	0.51	0.87	2.01	1.68	164.04
EW-PRF-M16/P11	83181256	Black	0.46	0.63	1.10	2.68	2.42	164.04
EW-PRF-M20/P16	83181258	Black	0.61	0.83	1.50	3.74	3.7	164.04
EW-PRF-M25/P21	83181262	Black	0.85	1.12	1.93	4.29	6.72	164.04
EW-PRF-M32/P29	83181264	Black	1.10	1.36	2.64	5.59	8.06	82.02
EW-PRF-M40/P36	83181266	Black	1.38	1.67	3.19	7.52	11.42	82.02
EW-PRF-M50/P48	83181268	Black	1.85	2.14	4.02	9.33	15.46	82.02
EW-PRF-70 Jumbo	83181272	Black	2.69	3.15	7.87	15.35	29.57	82.02
EW-PRF-95 Jumbo ¹⁾	83181274	Black	3.52	4.18	10.43	19.69	54.09	32.81
EW-PRF-M10/P7	83181212	Gray	0.33	0.46	0.83	1.81	1.41	164.04
EW-PRF-M12/P9 ¹⁾	83181214	Gray	0.39	0.51	0.87	2.01	1.68	164.04
EW-PRF-M16/P11 ¹⁾	83181216	Gray	0.46	0.63	1.10	2.68	2.42	164.04
EW-PRF-M20/P16 ¹⁾	83181218	Gray	0.61	0.83	1.50	3.74	3.9	164.04
EW-PRF-M25/P21	83181222	Gray	0.85	1.12	1.93	4.29	6.38	164.04
EW-PRF-M32/P29	83181224	Gray	1.10	1.36	2.64	5.59	8.06	82.02
EW-PRF-M40/P36 ¹⁾	83181226	Gray	1.38	1.67	3.19	7.52	11.09	82.02
EW-PRF-M50/P48 ¹⁾	83181228	Gray	1.85	2.14	4.02	9.33	15.46	82.02
EW-PRF-70 Jumbo ¹⁾	83181232	Gray	2.69	3.15	7.87	15.35	32.25	82.02

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
EW-PRF-95 Jumbo ¹⁾	83181234	Gray	3.52	4.18	10.43	19.69	54.43	32.81
Narrow corrugation								
EW-PRF-M20/P16S	83181260	Black	0.66	0.83	1.38	3.54	3.76	164.04
EW-PRF-M25/P21S ¹⁾	83181462	Black	0.91	1.11	1.73	4.09	6.72	164.04
EW-PRF-M32/P29S	83181464	Black	1.12	1.35	2.44	5.20	9.41	82.02
Wide corrugation								
EW-PRF-M20/P16S ¹⁾	83181220	Gray	0.66	0.83	1.38	3.54	3.76	164.04
EW-PRF-M25/P21S ¹⁾	83181422	Gray	0.91	1.11	1.73	4.09	6.38	164.04
EW-PRF-M32/P29S ¹⁾	83181424	Gray	1.12	1.35	2.44	5.20	9.41	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EW-PRT



PRODUCT INFORMATION

The EW-PRT cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.

The EW-PRT cable protection conduits feature excellent crush resistance, self-extinguish very well and produce very low levels of smoke gas.

For static and dynamic applications involving medium to high mechanical loads.

This product's excellent fire safety properties make it suitable for use in both rail transport systems and exposed layouts in building service applications.

Specification

- EN 45545-2 3x HL3
- GOST R 53313-2009

SPECIFICATIONS

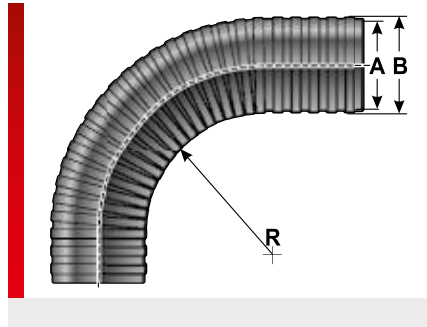
-  -40 – 248 °F short term 284 °F
-  Mod. polyamide PA 12
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 600 N
-  In conformity with IEC EN 61386
Cycles: > 700000 ~
-  In conformity with IEC EN 61386
Tier: 4,5
-  In conformity with IEC EN 61386
System tear-out strength: > 230 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-PRT-06 ¹⁾	83181850	Black	0.26	0.39	0.79	2.68	1.34	164.04
EW-PRT-M10/P07	83181852	Black	0.33	0.46	0.87	2.95	1.88	164.04
EW-PRT-M12/P09	83181854	Black	0.38	0.51	1.02	3.35	2.02	164.04
EW-PRT-M16/P11	83181856	Black	0.47	0.62	1.50	4.13	2.55	164.04
EW-PRT-M20/P16	83181858	Black	0.61	0.83	2.05	7.28	4.03	164.04
EW-PRT-M25/P21	83181862	Black	0.85	1.12	2.52	9.25	6.65	164.04
EW-PRT-M32/P29	83181866	Black	1.09	1.35	3.03	11.22	9.07	82.02
EW-PRT-M40/P36	83181868	Black	1.38	1.67	3.58	12.40	11.42	82.02
EW-PRT-M50/P48	83181870	Black	1.84	2.14	4.41	13.98	15.12	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EW-PAE



PRODUCT INFORMATION

The EW-PAE cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.

The EW-PAE cable protection conduits are characterized by excellent flexibility, flexural fatigue strength and good crush resistance. For extremely dynamic applications involving medium mechanical loads.

Applications:

- Robotics
- Handling systems
- In cable drag chains

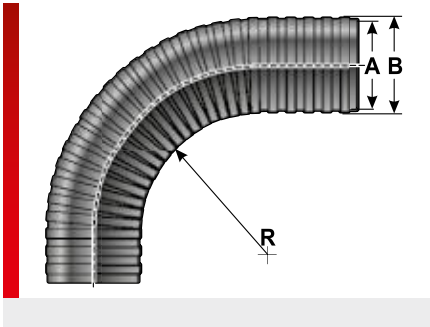
SPECIFICATIONS

-  -40 – 248 °F short term 302 °F
-  Mod. polyamide PA 12
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: > 500 N
-  In conformity with IEC EN 61386
Cycles: > 5000000 ~
-  In conformity with IEC EN 61386
Tier: 4
-  In conformity with IEC EN 61386
System tear-out strength: > 150 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-PAE-06	83181650	Black	0.26	0.39	0.59	1.57	1.21	164.04
EW-PAE-M10/P7	83181652	Black	0.33	0.45	0.79	1.77	1.41	164.04
EW-PAE M12/P09, 200m	83988262	Black	0.38	0.50	0.83	2.01	1.88	656.17
EW-PAE-M12/P9	83181654	Black	0.38	0.50	0.83	2.01	1.88	164.04
EW-PAE-M16/P11	83181656	Black	0.47	0.61	1.10	2.68	2.55	164.04
EW-PAE-M20/P16	83181658	Black	0.61	0.82	1.42	2.76	3.9	164.04
EW-PAE M20/P16, 200m	83988263	Black	0.61	0.82	1.42	2.76	3.9	656.17
EW-PAE-M25/P21	83181660	Black	0.86	1.11	1.93	4.29	6.38	164.04
EW-PAE-M32/P29	83181662	Black	1.09	1.35	2.64	5.59	8.47	82.02
EW-PAE M32/P29, 200m	83988264	Black	1.09	1.35	2.64	5.59	8.47	656.17
EW-PAE-M40/P36	83181664	Black	1.37	1.65	3.19	7.52	11.42	82.02
EW-PAE-M50/P48	83181666	Black	1.85	2.13	4.02	9.33	15.32	82.02
EW-PAE-56 Jumbo	83181678	Black	2.20	2.65	4.33	12.20	26.88	82.02
EW-PAE-70 Jumbo	83181680	Black	2.65	3.11	7.87	15.35	32.25	82.02
EW-PAE-95 Jumbo	83181682	Black	3.53	4.13	10.43	19.69	55.77	32.81
EW-PAE-06 ¹⁾	83181610	Gray	0.26	0.39	0.59	1.57	1.34	164.04
EW-PAE-M10/P7	83181612	Gray	0.33	0.45	0.79	1.77	1.41	164.04
EW-PAE-M12/P9	83181614	Gray	0.38	0.50	0.83	2.01	1.75	164.04
EW-PAE-M16/P11	83181616	Gray	0.47	0.61	1.10	2.68	2.42	164.04

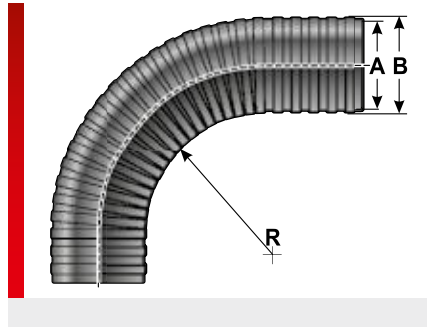
Type EW-PAE (Continued...)



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
EW-PAE-M20/P16	83181618	Gray	0.61	0.82	1.42	2.76	3.9	164.04
EW-PAE-M25/P21	83181620	Gray	0.86	1.11	1.93	4.29	6.38	164.04
EW-PAE-M32/P29	83181622	Gray	1.09	1.35	2.64	5.59	8.47	82.02
EW-PAE-M40/P36	83181624	Gray	1.37	1.65	3.19	7.52	11.42	82.02
EW-PAE-M50/P48	83181626	Gray	1.85	2.13	4.02	9.33	15.32	82.02
EW-PAE-56 Jumbo ¹⁾	83181638	Gray	2.20	2.65	4.33	12.20	23.52	82.02
EW-PAE-70 Jumbo ¹⁾	83181640	Gray	2.65	3.12	7.87	15.35	37.63	82.02
EW-PAE-95 Jumbo ¹⁾	83181642	Gray	3.53	4.17	10.43	19.69	53.76	32.81

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type EWX-PAE (high corrugation)



PRODUCT INFORMATION

The EWX-PAE cable protection conduits are made of specially modified polyamide 12. The material is halogen, phosphor and cadmium-free.

With its excellent flexural fatigue strength, this product is ideal for robotics engineering and in the area of handling systems. For extremely dynamic applications involving medium to high mechanical loads.

The EWX-PAE cable protection conduits have a higher corrugation and feature the following advantages:

- Very good flexibility
- Excellent flexural fatigue strength
- Less wear
- Good crush resistance

SPECIFICATIONS

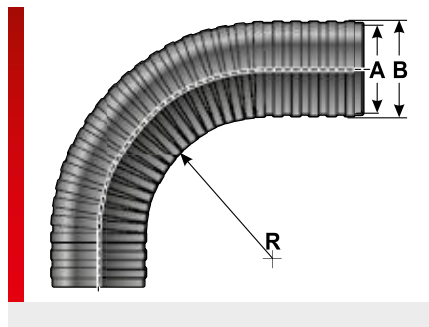
	-40 – 248 °F short term 302 °F
	Mod. polyamide PA 12
	Acc. to UL94 HB
	In conformity with IEC EN 61386 Crush resistance: > 1200 N
	In conformity with IEC EN 61386 Cycles: > 5000000 ~
	In conformity with IEC EN 61386 Tier: 4
	In conformity with IEC EN 61386 System tear-out strength: > 100 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-PAE-M25/P21	83182058	Black	0.72	1.11	1.93	4.09	8.74	164.04
EWX-PAE-M32/P29	83182060	Black	0.90	1.34	2.24	4.61	14.78	82.02
EWX-PAE-M40/P36	83182062	Black	1.13	1.67	2.80	5.75	18.82	82.02
EWX-PAE-M50/P48	83182064	Black	1.44	2.11	3.43	6.57	24.19	82.02
EWX-PAE-56 Jumbo	83182078	Black	2.06	2.67	3.74	8.66	26.88	82.02
EWX-PAE-70 Jumbo	83182080	Black	2.52	3.16	4.53	9.25	37.63	82.02
EWX-PAE-70 Jumbo	83182084	Black	2.52	3.16	4.53	9.25	34.94	360.89
EWX-PAE-80 Jumbo	83182081	Black	2.99	3.65	7.68	14.96	44.35	49.21
EWX-PAE-95 Jumbo	83182082	Black	3.47	4.15	8.66	17.72	62.16	32.81
EWX-PAE-M25/P21	83182018	Gray	0.72	1.11	1.93	4.09	7.39	164.04
EWX-PAE-M32/P29	83182020	Gray	0.90	1.34	2.24	4.61	14.78	82.02
EWX-PAE-M40/P36 ¹⁾	83182022	Gray	1.13	1.67	2.80	5.75	18.82	82.02
EWX-PAE-M50/P48 ¹⁾	83182024	Gray	1.44	2.11	3.43	6.57	24.19	82.02
EWX-PAE-70 Jumbo ¹⁾	83182040	Gray	2.52	3.16	4.53	9.25	37.63	82.02

¹⁾No stock goods, delivery time and minimum order quantities upon request

Type EW-HY



PRODUCT INFORMATION

The EW-HY cable protection conduits are made of specially modified thermoplastic elastomer. The material is halogen, phosphor and cadmium-free and is also heat and hydrolysis stabilized.

The EW-HY cable protection conduits are characterized by outstanding flexibility, flexural fatigue strength and good crush resistance. This product is ideal for use in handling

systems and robotics engineering, because of its excellent flexural fatigue strength. For dynamic applications involving low to medium mechanical loads.

Applications:

- Robotics
- Handling systems

SPECIFICATIONS

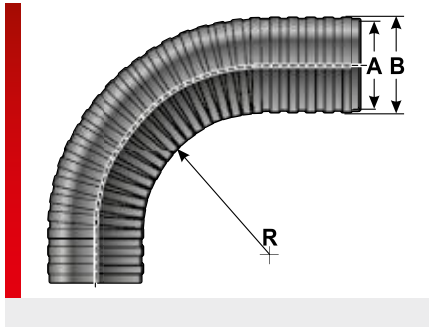
-  -49 – 320 °F short term 356 °F
-  Thermoplastic elastomer
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: > 500 N
-  In conformity with IEC EN 61386
Cycles: > 250000 ~



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-HY-M12/P9	83121050	Black	0.37	0.50	0.83	2.01	2.15	164.04
EW-HY-M16/P11	83121052	Black	0.48	0.61	1.10	2.68	2.69	164.04
EW-HY-M20/P16S	83121054	Black	0.66	0.81	1.50	3.74	4.7	164.04
EW-HY-M25/P21	83121056	Black	0.86	1.10	1.93	4.29	8.06	164.04
EW-HY-M32/P29	83121058	Black	1.09	1.35	2.64	5.59	11.42	82.02
EW-HY-M40/P36	83121060	Black	1.39	1.66	3.19	7.52	14.11	82.02
EW-HY-M50/P48	83121062	Black	1.86	2.10	4.02	9.33	18.82	82.02
EW-HY 56	83121065	Black	2.16	2.65	4.72	11.22	26.88	82.02
EW-HY-70 Jumbo	83121066	Black	2.61	3.13	5.51	12.99	34.61	82.02
EW-HY-95 Jumbo	83121070	Black	3.54	4.13	5.91	15.75	60.48	32.81
EW-HY-M12/P9 ¹⁾	83121010	Gray	0.37	0.50	0.83	2.01	1.88	164.04
EW-HY-M16/P11	83121012	Gray	0.48	0.61	1.10	2.68	2.69	164.04
EW-HY-M25/P21	83121016	Gray	0.86	1.10	1.93	4.29	8.06	164.04
EW-HY-M32/P29	83121018	Gray	1.09	1.35	2.64	5.59	11.42	82.02
EW-HY-M40/P36	83121020	Gray	1.39	1.66	3.19	7.52	14.11	82.02
EW-HY-M50/P48	83121022	Gray	1.86	2.10	4.02	9.33	19.82	82.02
EW-HY-70 Jumbo	83121026	Gray	2.61	3.13	5.51	12.99	34.61	82.02
EW-HY-95 Jumbo	83121030	Gray	3.54	4.13	5.91	15.75	60.48	32.81
Narrow corrugation								
EW-HY-M20/P16S	83121014	Gray	0.66	0.81	1.50	3.74	4.57	164.04

¹⁾ Min. order quantity 6890 ft (2100m)

Type EWX-HY (high corrugation)



PRODUCT INFORMATION

The EWX-HY cable protection conduits are made of specially modified thermoplastic elastomer. The material is halogen, phosphor and cadmium-free and is also heat and hydrolysis stabilized.

The EWX-HY cable protection conduits are characterized by outstanding flexibility, flexural fatigue strength and good crush resistance.

With its excellent flexural fatigue strength, this product is ideal for use in handling systems and robotics engineering. For dynamic applications involving low to medium mechanical loads.

SPECIFICATIONS

-  -49 – 320 °F short term 356 °F
-  Thermoplastic elastomer
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: > 900 N
-  In conformity with IEC EN 61386
Cycles: > 1000000 ~

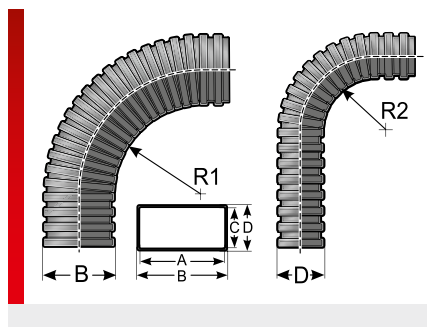
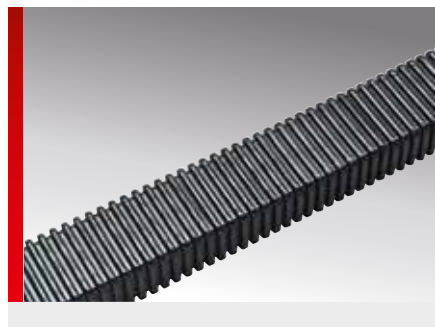
 RoHS
 HF
 UV

 Made in Germany

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-HY-M25/P21	83121258	Black	0.73	1.09	1.93	4.09	8.74	164.04
EWX-HY-M32/P29	83121260	Black	0.91	1.35	2.24	4.61	11.76	82.02
EWX-HY-M40/P36	83121262	Black	1.14	1.67	2.80	5.75	18.82	82.02
EWX-HY-M50/P48	83121264	Black	1.45	2.11	3.43	6.57	20.43	82.02
EWX-HY-56 Jumbo	83121278	Black	2.09	2.67	3.74	8.66	30.24	82.02
EWX-HY-70 Jumbo	83121280	Black	2.54	3.17	5.51	12.99	42.33	82.02
EWX-HY-95 Jumbo ¹⁾	83121282	Black	3.58	4.15	5.91	15.75	59.81	32.81

¹⁾ Min. order quantity 131 ft (40m)

Type EF (rectangular conduit)



PRODUCT INFORMATION

The rectangular Energoflex EF cable protection conduits are made of specially modified thermoplastic elastomer. The material is halogen, phosphor and cadmium-free. The Energoflex EW cable protection conduits are characterized by excellent flexibility and good flexural fatigue strength. With its rectangular shape, the EF conduit can be used as a cost-effective alternative to cable drag chains.

For dynamic applications involving light to medium mechanical loads in mechanical and plant engineering.

Advantages of the Energoflex include:

- Little relative movement of the cables
- Low-wear interior
- Simultaneous traversing in multiple axes possible
- Higher stability compared to a conduit

System affiliation:

- Holder EF/B 26/42
- Flange connection FL-EF 26042

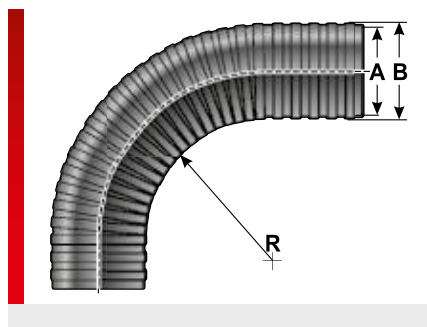
SPECIFICATIONS

-  -49 – 320 °F short term 356 °F
-  Thermoplastic elastomer
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Crush resistance: 1000 N



Type	Order No.	Color	A inch	B inch	C inch	D inch	R1 stat./dyn. inch	R2 stat./dyn. inch	Weight lbs/100ft	Pack ft.
EF 26042	83361012	Black	1.65	1.97	1.02	1.34	4.33 / 12.6	2.36 / 4.72	14.78	9.84

Type EWB



PRODUCT INFORMATION

The EWB cable protection conduit has been manufactured from custom high-density polyethylene (HDPE).

This material is especially suited for routing in concrete, as a result of its high chemical stability and crush resistance.

SPECIFICATIONS



5 – 194 °F short term 248 °F



Mod. polyethylene



Acc. to UL94 HB



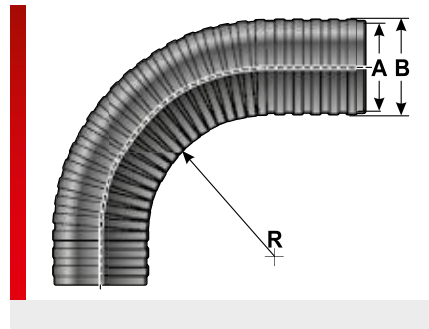
In conformity with IEC EN 61386
Crush resistance: > 650 N

[illegible]

RoHS HF Made in Germany

[illegible]

Type EW-PA-EX



PRODUCT INFORMATION

The EW-PA-EX cable protection conduits are made of specially modified polyamide 12 a high discharge capacity. The material is halogen, phosphor and cadmium-free.

The EW-PA-EX cable protection conduits meet the ATEX 94/9/EG directive; they are characterized by a high discharge capacity for static electricity combined with excellent flexibility. With the proper grounding connection they are suitable for potential dust explosion zones 20, 21 and 22, as well as in areas with zones 0, 1 and 2 gas explosion

risks (independent of the explosion rating group of the gases present).

These EW-PA-EX conduit properties make them the perfect choice for industrial handling systems and robotics applications and in all areas where antistatic (ESD protection) equipment is required (mining, refineries, chemical industry).

SPECIFICATIONS

	-40 – 230 °F short term 302 °F
	Mod. polyamide PA 12
	Acc. to UL94 HB
	In conformity with IEC EN 61386 Crush resistance: > 400 N
	In conformity with IEC EN 61386 Cycles: > 1000000 ~
	In conformity with IEC EN 61386 Tier: 4



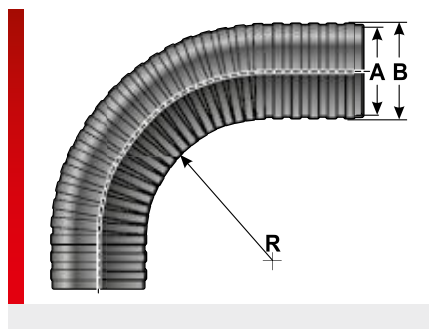
Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
Standard corrugation								
EW-PA-EX-M16/P11	83163654	Black	0.46	0.62	0.79	2.36	2.28	164.04
EW-PA-EX-M20/P16	83163656	Black	0.61	0.83	0.98	3.15	3.56	164.04
EW-PA-EX-M25/P21	83163658	Black	0.86	1.11	1.38	3.74	6.05	164.04
EW-PA-EX-M32/P29	83163660	Black	1.09	1.35	1.97	4.92	8.2	82.02
EW-PA-EX-M40/P36	83163662	Black	1.38	1.67	2.36	6.69	10.95	82.02
EW-PA-EX-M50/P48	83163664	Black	1.85	2.12	2.95	8.27	14.98	82.02
EW-PA-EX-70 Jumbo ¹⁾	83163666	Black	2.61	3.10	6.30	13.78	32.25	82.02
EW-PA-EX-95 Jumbo ¹⁾	83163668	Black	3.54	4.15	8.27	17.72	51.74	32.81

¹⁾ No stock goods, delivery time and minimum order quantities upon request

RoHS HF Made in Germany

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EW-PAP-M12/P9	83141010	Gray	0.39	0.55	1.46	9.41	164.04
EW-PAP-M16/P11	83141012	Gray	0.48	0.66	2.28	10.75	164.04
EW-PAP-M20/P16	83141014	Gray	0.62	0.87	3.19	13.44	164.04
EW-PAP-M25/P21	83141016	Gray	0.88	1.16	3.74	24.19	164.04
EW-PAP-M32/P29	83141018	Gray	1.08	1.40	4.65	24.19	82.02
EW-PAP-M40/P36	83141020	Gray	1.40	1.71	6.38	33.6	82.02
EW-PAP-M50/P48	83141022	Gray	1.83	2.19	8.19	41.66	82.02

Type EW-PATM (with metal braiding)



PRODUCT INFORMATION

The EW-PATM cable protection conduits are made of specially modified polyamide 6 and coated with a galvanized steel wire. The materials are halogen, phosphor and cadmium-free.

The EWL-PATM cable protection conduits feature good crush resistance, excellent thermal and mechanical protection, self-extinguish well and produce very low levels of smoke gas. Therefore it is suitable for use in both rail transport systems and exposed layouts in building service applications.

For static applications involving medium to high mechanical loads.

Specification:

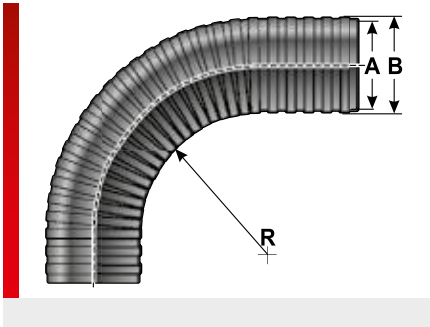
- EN 45545-2 3x HL3

SPECIFICATIONS

-  -40 – 248 °F short term 320 °F
-  Acc. to UL94 V2 self-extinguishing S4
-  In conformity with IEC EN 61386
Crush resistance: > 1300 N
-  In conformity with IEC EN 61386
Cycles: > 1200 ~
-  In conformity with IEC EN 61386
Tier: 3
-  In conformity with IEC EN 61386
System tear-out strength: 500 N

[illegible]

Type EL



PRODUCT INFORMATION

The EL cable protection conduits are made of high-quality soft PVC, and the integrated support coil of rigid PVC. The conduits are suitable for continuous bending loads. The EL cable protection conduits are used mainly to protect electrical cables in control unit construction, apparatus and mechanical engineering and feature the following advantages:

- Very good flexibility
- Kink-resistant
- Hard-wearing
- Smooth interior (electric or pneumatic cables are easily inserted)

SPECIFICATIONS

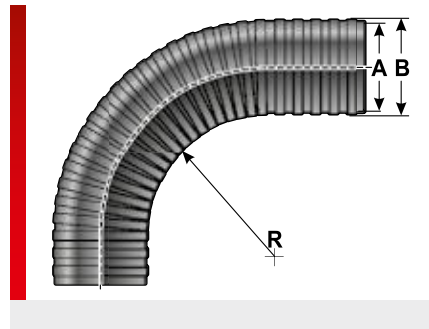
-  5 – 140 °F
-  Polyvinyl chloride (PVC)
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 500 N



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EL 13 ¹⁾	83301054	Black	0.59	0.75	0.79	7.39	164.04
EL 16 ¹⁾	83301056	Black	0.63	0.83	0.83	8.06	164.04
EL 21	83301058	Black	0.87	1.06	1.06	12.77	164.04
EL 09	83301010	Gray	0.39	0.55	0.55	5.58	164.04
EL 11	83301012	Gray	0.51	0.67	0.67	6.72	164.04
EL 13	83301014	Gray	0.59	0.75	0.79	7.39	164.04
EL 16	83301016	Gray	0.63	0.83	0.83	8.06	164.04
EL 21	83301018	Gray	0.87	1.06	1.06	12.77	164.04
EL 29	83301020	Gray	1.18	1.38	1.38	14.78	82.02
EL 36	83301024	Gray	1.57	1.73	1.77	26.88	82.02
EL 36 ¹⁾	83301026	Gray	1.57	1.73	1.77	26.88	164.04
EL 48	83301030	Gray	1.97	2.20	2.17	32.93	82.02

¹⁾ Part to be phased out!

Type ELS



PRODUCT INFORMATION

The ELS cable protection conduits are made of high-quality soft PVC, and the integrated support coil of plastic coated spring steel. The conduits are suitable for high continuous bending and very high mechanical loads. The silicone and cadmium-free ELS cable protection conduits are used mainly to protect electrical cables in control unit construction, apparatus and mechanical engineering and feature the following advantages:

- Highly flexible
- Extremely small bending radius
- Dimensionally stable
- Hard-wearing and kink-resistant
- Air and liquid-tight

SPECIFICATIONS

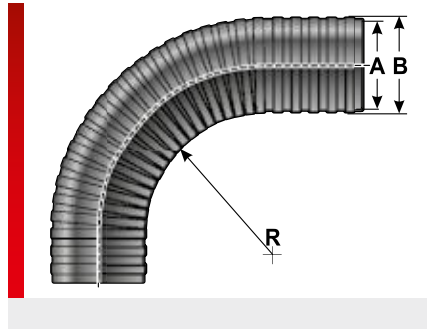
-  -13 – 176 °F short term 212 °F
-  Polyvinyl chloride (PVC)
Spring steel
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 1200 N

RoHS

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
ELS 07 ¹⁾	83321050	Black	0.28	0.39	0.31	0.79	4.7	328.08
ELS 07	83321010	Gray	0.28	0.39	0.31	0.79	4.7	164.04
ELS 09	83321012	Gray	0.39	0.55	0.39	0.98	5.71	164.04
ELS 11	83321014	Gray	0.51	0.67	0.51	1.38	8.74	164.04
ELS 13	83321016	Gray	0.59	0.75	0.59	1.57	10.08	164.04
ELS 16	83321018	Gray	0.63	0.83	0.67	1.77	14.11	164.04
ELS 21	83321020	Gray	0.87	1.06	0.79	1.97	19.49	164.04
ELS 29	83321022	Gray	1.14	1.42	0.98	2.56	29.57	82.02
ELS 36	83321024	Gray	1.50	1.77	1.42	3.54	36.29	82.02
ELS 42 ¹⁾	83321026	Gray	1.73	2.05	1.50	3.74	48.38	82.02
ELS 48	83321028	Gray	1.89	2.20	1.57	3.94	59.13	82.02

¹⁾ Part to be phased out!

Type EVK



PRODUCT INFORMATION

The EVK cable protection conduits are made of high-quality soft PVC with approx. 30% nitrile rubber. The integrated support coil made of rigid PVC gives the conduit a high level of dimensional stability. This makes the conduits ideal for static applications involving high mechanical loads.

The EVK cable protection conduits are used mainly to protect electrical cables in machine construction and mechanical engineering and feature the following advantages:

- Excellent dimensional stability
- Hard-wearing and kink-resistant
- Weather-resistant and hard-wearing

SPECIFICATIONS

-  5 – 140 °F
-  Polyvinyl chloride (PVC)
-  Acc. to UL94 V2 self-extinguishing
-  In conformity with IEC EN 61386
Crush resistance: > 650 N

RoHS

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	Weight lbs/100ft	Pack ft.
EVK 07/E	83301252	Black	0.39	0.54	0.39	6.38	164.04
EVK 07	83301210	Gray	0.35	0.53	0.35	5.71	164.04
EVK 07/E	83301212	Gray	0.39	0.54	0.39	6.38	82.02
EVK 09/E	83301216	Gray	0.51	0.68	0.51	8.06	164.04
EVK 09	83301214	Gray	0.55	0.74	0.55	9.41	164.04
EVK 11/E ¹⁾	83301220	Gray	0.59	0.77	0.59	10.08	164.04
EVK 11	83301218	Gray	0.63	0.81	0.63	10.08	164.04
EVK 13 ¹⁾	83301222	Gray	0.75	0.94	0.75	11.42	164.04
EVK 16	83301224	Gray	0.79	0.97	0.79	14.11	164.04
EVK 21/E ¹⁾	83301228	Gray	0.87	1.05	0.87	15.46	164.04
EVK 21	83301226	Gray	1.06	1.27	1.06	16.8	164.04
EVK 21 without print	83980141	Gray	1.06	1.27	1.06	16.8	164.04
EVK 29/E	83301232	Gray	1.18	1.41	1.18	20.16	82.02
EVK 29	83301230	Gray	1.38	1.59	1.38	26.21	82.02
EVK 36/E	83301236	Gray	1.50	1.72	1.50	29.57	82.02
EVK 36 ¹⁾	83301234	Gray	1.77	2.02	1.77	34.27	82.02
EVK 42 ¹⁾	83301238	Gray	1.97	2.23	1.97	39.65	82.02
EVK 48 ¹⁾	83301240	Gray	2.17	2.45	2.17	43.68	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Type GF (braided conduit)



PRODUCT INFORMATION

The GF braided conduits are made of specially modified polyamide 6.6. With this material and the special braiding, the conduit is extremely durable and elastic in both the radial and axial directions.

The GF braided conduit is used to bundle and protect a large number of cables and individual wires of all types. The elastic braiding means that configuration of the conduit can be very variable.

Additional advantages of the GF braided conduit include:

- Very good mechanical and thermal resistance
- Good chemical resistance
- High flexibility
- Very high abrasion resistance

SPECIFICATIONS



-58 – 302 °F short term 347 °F



Mod. polyamide PA 6.6



Acc. to UL94 V2 self-extinguishing



Type	Order No.	Color	Nominal widths NW	Size range inch	Surface covering in %	Weight lbs/100ft	Pack ft.
GF 4	83341010	Black	0.16	0.12 / 0.31	93.00	0.47	656.17
GF 6	83341012	Black	0.24	0.16 / 0.41	86.00	0.47	656.17
GF 8	83341014	Black	0.31	0.28 / 0.55	87.00	0.67	656.17
GF 10	83341016	Black	0.39	0.24 / 0.59	77.00	0.87	656.17
GF 12	83341018	Black	0.47	0.39 / 0.63	74.00	1.08	656.17
GF 16	83341020	Black	0.63	0.43 / 0.94	80.00	1.14	328.08
GF 20	83341022	Black	0.79	0.71 / 1.18	75	1.68	328.08
GF 22	83341024	Black	0.87	0.71 / 1.26	84.00	1.75	328.08
GF 30	83341026	Black	1.18	0.79 / 1.46	78.00	1.68	328.08
GF 40	83341028	Black	1.57	1.42 / 1.97	77.00	2.69	164.04
GF 50	83341030	Black	1.97	1.77 / 2.05	79.00	3.36	164.04
GF 70	83341032	Black	2.76	1.77 / 3.07	84.00	3.63	164.04
GF 4	83341050	Gray	0.16	0.12 / 0.31	93.00	0.3	656.17
GF 6	83341052	Gray	0.24	0.16 / 0.41	86.00	0.38	656.17
GF 8	83341054	Gray	0.31	0.28 / 0.55	87.00	0.54	656.17
GF 10	83341056	Gray	0.39	0.24 / 0.59	77.00	0.51	656.17
GF 12	83341058	Gray	0.47	0.39 / 0.63	74.00	0.54	656.17
GF 16	83341060	Gray	0.63	0.43 / 0.94	80.00	0.88	328.08
GF 20	83341062	Gray	0.79	0.71 / 1.18	75	0.95	328.08
GF 22	83341064	Gray	0.87	0.71 / 1.26	84.00	1.28	328.08
GF 30	83341066	Gray	1.18	0.79 / 1.46	78.00	1.46	328.08
GF 40	83341068	Gray	1.57	1.42 / 1.97	77.00	1.94	164.04
GF 50	83341070	Gray	1.97	1.77 / 2.05	79.00	2.43	164.04
GF 70	83341072	Gray	2.76	1.77 / 3.07	84.00	4.0	164.04

Type GF-P (braided conduit)



PRODUCT INFORMATION

The GF-P braided conduits are made of specially modified polyester. With this material and the special braiding, the conduit is extremely durable and elastic in both the radial and axial directions.

It can be used to bundle and protect a large number of cables and individual wires of all types. The elastic braiding means that configuration of the conduit can be very variable.

Additional advantages of the GF-P braided conduit include:

- Very good mechanical and thermal resistance
- Good chemical resistance
- Very low levels of smoke gas
- Very high abrasion resistance

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS



-67 – 302 °F



mod. Polyester



Acc. to UL94 V2 self-extinguishing



Type	Order No.	Color	Nominal widths NW	Size range inch	Surface covering in %	Weight lbs/100ft	Pack ft.
GF-P 3	83342008	Black	0.16	0.12 / 0.31	93.00	0.28	1640.42
GF-P 4	83342010	Black	0.16	0.12 / 0.39	93.00	0.39	656.17
GF-P 6	83342012	Black	0.24	0.16 / 0.41	86.00	0.47	656.17
GF-P 8	83342014	Black	0.31	0.24 / 0.55	87.00	0.5	656.17
GF-P 10	83342016	Black	0.39	0.24 / 0.59	77.00	0.61	656.17
GF-P 12	83342018	Black	0.47	0.39 / 0.63	74.00	0.63	656.17
GF-P 16	83342020	Black	0.63	0.43 / 0.87	80.00	1.01	328.08
GF-P 20	83342022	Black	0.79	0.47 / 1.18	75.00	1.18	328.08
GF-P 22	83342024	Black	0.87	0.71 / 1.26	84.00	1.28	328.08
GF-P 30	83342026	Black	1.18	0.79 / 1.5	78.00	1.78	328.08
GF-P 40	83342028	Black	1.57	1.1 / 1.65	77.00	2.14	164.04
GF-P 50	83342030	Black	1.97	1.77 / 1.97	79.00	2.61	164.04
GF-P 70	83342032	Black	2.76	1.77 / 3.43	87.00	3.99	164.04
GF-P 4	83342050	Gray	0.16	0.12 / 0.39	93.00	0.39	656.17
GF-P 6	83342052	Gray	0.24	0.16 / 0.41	86.00	0.47	656.17
GF-P 8	83342054	Gray	0.31	0.24 / 0.55	87.00	0.5	656.17
GF-P 10	83342056	Gray	0.39	0.24 / 0.59	77.00	0.61	656.17
GF-P 12	83342058	Gray	0.47	0.39 / 0.63	74.00	0.63	656.17
GF-P 16	83342060	Gray	0.63	0.43 / 0.87	80.00	1.01	328.08
GF-P 20	83342062	Gray	0.79	0.47 / 1.18	75.00	1.18	328.08
GF-P 22	83342064	Gray	0.87	0.71 / 1.26	84.00	1.28	328.08
GF-P 30	83342066	Gray	1.18	0.79 / 1.5	78.00	1.78	328.08
GF-P 40	83342068	Gray	1.57	1.1 / 1.65	77.00	2.14	164.04
GF-P 50	83342070	Gray	1.97	1.77 / 1.97	79.00	2.61	164.04
GF-P 70	83342072	Gray	2.76	1.77 / 3.43	87.00	3.99	164.04



Murrflex two part cable protection conduit

RoHS HF Made in Germany

[illegible]

RoHS HF Made in Germany

605

RoHS HF Made in Germany

606 Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

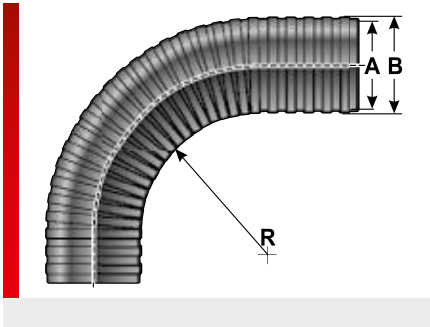
The EWX-PA-LS cable protection conduits have a higher corrugation and feature the following advantages:

- Good flexibility
- Less wear
- Excellent crush resistance
- Subsequent installation possible

- -40 – 248 °F short term 320 °F
- Mod. polyamide PA 6
- Acc. to UL94 HB
- In conformity with IEC EN 61386
Cycles: > 13000 ~

[illegible]

Type EWX-PP-LS (high corrugation)



PRODUCT INFORMATION

The self-extinguishing EWX-PP cable protection conduits are made of specially modified polypropylene. The material is phosphor and cadmium-free.
For static and dynamic applications involving medium to high mechanical loads, as well as the installation of pre-assembled cables, retrofitting or repair of cables.

The EWX-PP-LS cable protection conduits have a higher corrugation and feature the following advantages:

- Good flexibility
- Less wear
- Excellent crush resistance
- Subsequent installation possible
- Chemical resistance

SPECIFICATIONS

 -40 – 266 °F short term 302 °F

 Mod. polypropylene

 Acc. to UL94 V2 self-extinguishing

 In conformity with IEC EN 61386
Cycles: > 2000000 ~

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-PP-LS M25/P21 ¹⁾	83203058	Black	0.72	1.10	1.97	4.33	6.05	164.04
EWX-PP-LS M32/P29 ¹⁾	83203060	Black	0.89	1.35	2.36	4.72	8.2	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

chanical loads.
The EWX-PAE-LS cable protection conduits have a higher corrugation and feature the following advantages:

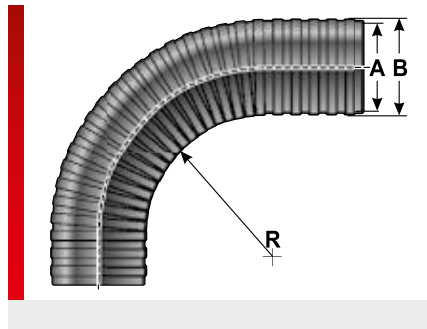
- Very good flexibility
- Excellent flexural fatigue strength
- Less wear
- Good crush resistance
- Subsequent installation possible

- -40 – 248 °F short term 302 °F
- Mod. polyamide PA 12
- Acc. to UL94 HB
- In conformity with IEC EN 61386
Cycles: > 5000000 ~
- In conformity with IEC EN 61386
Tier: 4

Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-PAE-LS-M20/P16	83182256	Black	0.52	0.83	1.42	3.03	4.03	164.04
EWX-PAE-LS-M25/P21	83182258	Black	0.76	1.11	1.93	4.09	7.39	164.04
EWX-PAE-LS-M32/P29	83182260	Black	0.91	1.36	2.24	4.61	9.41	82.02
EWX-PAE-LS-M40/P36	83182262	Black	1.12	1.66	2.80	5.75	12.23	82.02
EWX-PAE-LS-M50/P48	83182264	Black	1.44	2.11	3.43	6.57	16.13	82.02
EWX-PAE-LS-56 Jumbo ¹⁾	83182278	Black	2.04	2.67	3.74	8.66	26.88	82.02
EWX-PAE-LS-70 Jumbo	83182280	Black	2.53	3.16	4.53	9.25	34.94	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request.

Type EWX-HY-LS (high corrugation)



PRODUCT INFORMATION

The EWX-HY-LS cable protection conduits are made of specially modified thermoplastic elastomer. The material is halogen, phosphor and cadmium-free.

With its excellent flexural fatigue strength, this product is ideal for robotics engineering and in the area of handling systems. For installation of pre-assembled cables, retrofitting or repair of cables. For dynamic applications involving light to medium me-

chanical loads.

The EWX-HY-LS cable protection conduits have a higher corrugation and feature the following advantages:

- Very good flexibility
- Excellent flexural fatigue strength
- Less wear
- Good crush resistance
- Subsequent installation possible

SPECIFICATIONS

-  -49 – 320 °F short term 356 °F
-  Thermoplastic elastomer
-  Acc. to UL94 HB
-  In conformity with IEC EN 61386
Cycles: > 100000 ~



Type	Order No.	Color	A Ø inch	B Ø inch	R stat. inch	R dyn. inch	Weight lbs/100ft	Pack ft.
High corrugation								
EWX-HY-LS-M25/P21	83122258	Black	0.78	1.11	1.93	4.09	7.73	164.04
EWX-HY-LS-M32/P29	83122260	Black	0.95	1.36	2.24	4.61	11.76	82.02
EWX-HY-LS-M40/P36	83122262	Black	1.17	1.66	2.80	5.75	14.78	82.02
EWX-HY-LS-M50/P48	83122264	Black	1.50	2.13	3.43	6.57	20.43	82.02
EWX-HY-LS-56 Jumbo ¹⁾	83122278	Black	2.05	2.68	3.74	8.66	30.24	82.02
EWX-HY-LS-70 Jumbo ¹⁾	83122282	Black	2.52	3.15	4.53	9.25	42.33	82.02

¹⁾ No stock goods, delivery time and minimum order quantities upon request

Specification:

- EN 45545-2 2x HL3 1X HL2

 -67 – 302 °F short term 347 °F
 mod. Polyester
 UL 224 / FMV SS302 self-extinguishing
 Typ B

Type	Order No.	Color	Nominal widths NW	Size range inch	Weight lbs/100ft	Pack ft.
GF-P-LS-5	83342110	Black	5	0.12 / 0.2	1.15	82.02
GF-P-LS-8	83342112	Black	8.00	0.2 / 0.31	1.42	82.02
GF-P-LS-10	83342114	Black	10	0.31 / 0.39	1.63	82.02
GF-P-LS-13	83342116	Black	13.00	0.39 / 0.51	1.71	82.02
GF-P-LS-16	83342118	Black	16.00	0.51 / 0.63	2.27	82.02
GF-P-LS-19	83342120	Black	19.00	0.63 / 0.75	2.27	82.02
GF-P-LS-25	83342122	Black	25	0.87 / 0.98	3.23	82.02
GF-P-LS-29	83342124	Black	29.00	1.02 / 1.14	3.48	82.02
GF-P-LS-32	83342126	Black	32	1.14 / 1.26	4.27	82.02
GF-P-LS-38	83342128	Black	38.00	1.26 / 1.73	5.08	82.02
GF-P-LS-50	83342130	Black	50	1.73 / 1.97	5.08	82.02

RoHS HF Made in Germany

612 Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

613

RoHS HF UV Made in Germany

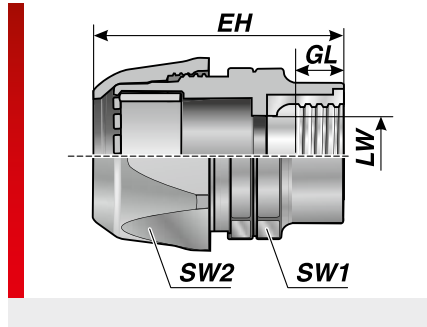
614 Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com





m-top conduit fitting

Type IVG (metal internal thread)



PRODUCT INFORMATION

The IVG conduit fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The IVG conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to DIN IEC 60529/A1

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

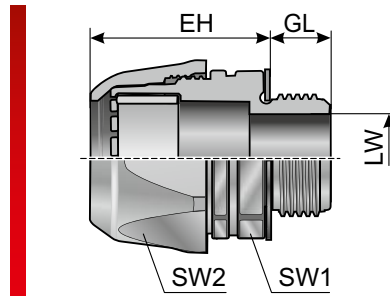
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 / 2 inch	Pack qty.
Metric metal inside threading									
IVG M12-M	83571052	Black	M12x1,5	M12/P09	1.22	0.31	0.26	0.75 / 0.79	50
IVG M16-M	83571054	Black	M16x1,5	M16/P11	1.46	0.31	0.39	0.87 / 0.98	50
IVG M20-M	83571056	Black	M20x1,5	M20/P16	1.77	0.39	0.55	1.06 / 1.3	50
IVG M25-M	83571058	Black	M25x1,5	M25/P21	1.85	0.39	0.72	1.3 / 1.61	50
IVG M32-M	83571060	Black	M32x1,5	M32/P29	2.20	0.51	0.94	1.69 / 1.97	25
IVG M40-M ¹⁾	83571062	Black	M40x1,5	M40/P36	2.76	0.55	1.30	2.13 / 2.36	25
IVG M50-M	83571064	Black	M50x1,5	M50/P48	3.15	0.59	1.73	2.64 / 2.95	10

¹⁾ With CSA approval

Type VG (plastic thread)



PRODUCT INFORMATION

The VG conduit fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free.

The VG conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar and without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

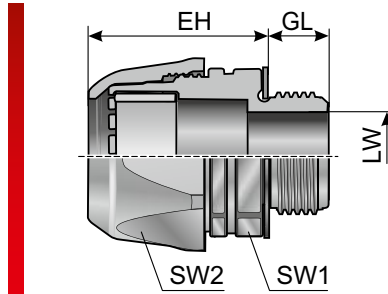
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 / 2 inch	Pack qty.
Metric plastic thread									
VG M12-K ⁽¹⁾	83511052	Black	M12x1,5	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG M16-K ⁽¹⁾	83511054	Black	M16x1,5	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG M20-K ⁽¹⁾	83511056	Black	M20x1,5	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG M25-K ⁽¹⁾	83511058	Black	M25x1,5	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG M32-K ⁽¹⁾	83511060	Black	M32x1,5	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG M40-K ⁽²⁾	83511062	Black	M40x1,5	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG M50-K ⁽¹⁾	83511064	Black	M50x1,5	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
Gray plastic thread									
VG M12-K ⁽¹⁾	83511012	Gray	M12x1,5	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG M16-K ⁽¹⁾	83511014	Gray	M16x1,5	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG M20-K ⁽¹⁾	83511016	Gray	M20x1,5	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG M25-K ⁽¹⁾	83511018	Gray	M25x1,5	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG M32-K ⁽¹⁾	83511020	Gray	M32x1,5	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG M40-K ⁽²⁾	83511022	Gray	M40x1,5	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG M50-K ⁽¹⁾	83511024	Gray	M50x1,5	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
Pg plastic threading									
VG P9-K ⁽¹⁾	83511452	Black	Pg 09	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG P11-K ⁽¹⁾	83511454	Black	Pg 11	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG P16-K ⁽¹⁾	83511456	Black	Pg 16	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG P21-K ⁽¹⁾	83511458	Black	Pg 21	M25/P21	1.46	0.51	0.87	1.61 / 1.61	50
VG P29-K ⁽¹⁾	83511460	Black	Pg 29	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG P36-K ⁽²⁾	83511462	Black	Pg 36	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG P48-K ⁽¹⁾	83511464	Black	Pg 48	M50/P48	2.36	0.67	1.93	2.95 / 2.95	10

Type VG (plastic thread) (Continued...)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 / 2 inch	Pack qty.
VG P9-K ¹⁾	83511412	Gray	Pg 09	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG P11-K ¹⁾	83511414	Gray	Pg 11	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG P16-K ¹⁾	83511416	Gray	Pg 16	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG P21-K ¹⁾	83511418	Gray	Pg 21	M25/P21	1.46	0.51	0.87	1.61 / 1.61	50
VG P29-K ¹⁾	83511420	Gray	Pg 29	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG P36-K ²⁾	83511422	Gray	Pg 36	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG P48-K ¹⁾	83511424	Gray	Pg 48	M50/P48	2.36	0.67	1.93	2.95 / 2.95	10
NPT plastic threading									
VG N 3/8"-K ¹⁾	83511850	Black	3/8"	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG N 1/2"-K ¹⁾	83511852	Black	1/2"	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG N 3/4"-K ¹⁾	83511854	Black	3/4"	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG N 1"-K ¹⁾	83511856	Black	1"	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG N 1 1/4"-K ²⁾	83511858	Black	1 1/4"	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG N 2"-K ¹⁾	83511860	Black	2"	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
VG N 3/8"-K ³⁾	83511810	Gray	3/8"	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG N 1/2"-K ¹⁾	83511812	Gray	1/2"	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG N 3/4"-K ¹⁾	83511814	Gray	3/4"	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG N 1"-K ¹⁾	83511816	Gray	1"	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG N 1 1/4"-K ²⁾	83511818	Gray	1 1/4"	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG N 2"-K ⁴⁾	83511820	Gray	2"	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10

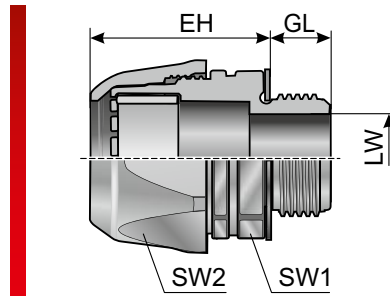
¹⁾ With cURus- approval

²⁾ With CSA- and cURus- approval

³⁾ With cURus approval, - min. order quantity 1000 pcs

⁴⁾ With cURus approval, - min. order quantity 400 pcs

Type VG (metal thread)



PRODUCT INFORMATION

The VG conduit fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The VG conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

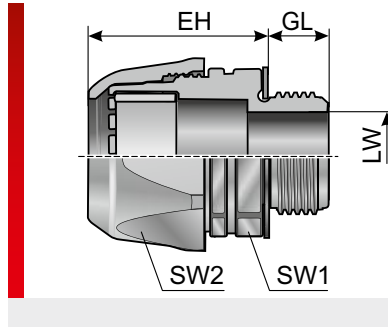
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 / 2 inch	Pack qty.
Metric metal thread									
VG M12-M ¹⁾	83511252	Black	M12x1,5	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG M16x1.5/09-M ¹⁾	83511253	Black	M16x1,5	M12/P09	0.83	0.47	0.41	0.79 / 0.79	50
VG M16-M ¹⁾	83511254	Black	M16x1,5	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG M20x1.5/11-M ¹⁾	83511255	Black	M20x1,5	M16/P11	1.06	0.51	0.57	0.98 / 0.98	50
VG M20-M ¹⁾	83511256	Black	M20x1,5	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG M25x1.5/16-M ¹⁾	83511257	Black	M25x1,5	M20/P16	1.38	0.51	0.75	1.3 / 1.3	50
VG M25-M ¹⁾	83511258	Black	M25x1,5	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG M32x1.5/21-M ¹⁾	83511259	Black	M32x1,5	M25/P21	1.46	0.55	1.02	1.61 / 1.61	25
VG M32-M ¹⁾	83511260	Black	M32x1,5	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG M40x1.5/29-M ¹⁾	83511261	Black	M40x1,5	M32/P29	1.81	0.67	1.32	1.97 / 1.97	25
VG M40-M ²⁾	83511262	Black	M40x1,5	M40/P36	2.09	0.67	1.26	2.36 / 2.36	25
VG M50x1.5/36-M ¹⁾	83511263	Black	M50x1,5	M40/P36	2.09	0.67	1.62	2.36 / 2.36	10
VG M50-M ¹⁾	83511264	Black	M50x1,5	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
VG M63x1.5/48-M ¹⁾	83511266	Black	M63x1,5	M50/P48	2.36	0.67	1.98	2.95 / 2.95	10
VG M12-M ¹⁾	83511212	Gray	M12x1,5	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG M16-M ¹⁾	83511214	Gray	M16x1,5	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG M20-M ¹⁾	83511216	Gray	M20x1,5	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG M25-M ¹⁾	83511218	Gray	M25x1,5	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG M32-M ¹⁾	83511220	Gray	M32x1,5	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG M40-M ²⁾	83511222	Gray	M40x1,5	M40/P36	2.09	0.67	1.26	2.36 / 2.36	25
VG M50-M ¹⁾	83511224	Gray	M50x1,5	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
VG M63x1.5/48-M ¹⁾	83511226	Gray	M63x1,5	M50/P48	2.36	0.67	1.98	2.95 / 2.95	10

Type VG (metal thread) (Continued...)

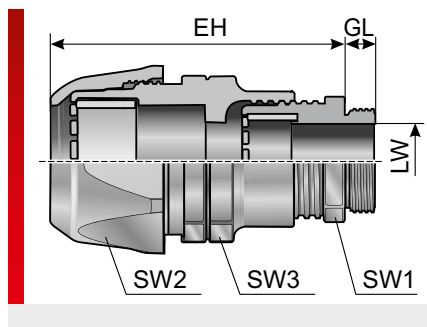


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 / 2 inch	Pack qty.
Pg-metal threading									
VG P9-M ¹⁾	83511652	Black	Pg 09	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG P11-M ¹⁾	83511654	Black	Pg 11	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG P16-M ¹⁾	83511656	Black	Pg 16	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG P21-M ¹⁾	83511658	Black	Pg 21	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG P29-M ¹⁾	83511660	Black	Pg 29	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG P36-M ²⁾	83511662	Black	Pg 36	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG P48-M ¹⁾	83511664	Black	Pg 48	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
VG P9-M ¹⁾	83511612	Gray	Pg 09	M12/P09	0.83	0.47	0.28	0.79 / 0.79	50
VG P11-M ¹⁾	83511614	Gray	Pg 11	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG P16-M ¹⁾	83511616	Gray	Pg 16	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG P21-M ¹⁾	83511618	Gray	Pg 21	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG P29-M ¹⁾	83511620	Gray	Pg 29	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG P36-M ²⁾	83511622	Gray	Pg 36	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG P48-M ¹⁾	83511624	Gray	Pg 48	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
NPT metal threading									
VG N 3/8"-M ¹⁾	83512050	Black	3/8"	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG N 1/2"-M ¹⁾	83512052	Black	1/2"	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG N 3/4"-M ¹⁾	83512054	Black	3/4"	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG N 1"-M ¹⁾	83512056	Black	1"	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG N 1 1/4"-M ²⁾	83512058	Black	1 1/4"	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG N 2"-M ¹⁾	83512060	Black	2"	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10
VG N 3/8"-M ¹⁾	83512010	Gray	3/8"	M16/P11	1.06	0.47	0.41	0.98 / 0.98	50
VG N 1/2"-M ¹⁾	83512012	Gray	1/2"	M20/P16	1.38	0.51	0.57	1.3 / 1.3	50
VG N 3/4"-M ¹⁾	83512014	Gray	3/4"	M25/P21	1.46	0.51	0.75	1.61 / 1.61	50
VG N 1"-M ¹⁾	83512016	Gray	1"	M32/P29	1.81	0.55	1.02	1.97 / 1.97	25
VG N 1 1/4"-M ²⁾	83512018	Gray	1 1/4"	M40/P36	2.09	0.67	1.32	2.36 / 2.36	25
VG N 2"-M ¹⁾	83512020	Gray	2"	M50/P48	2.36	0.67	1.62	2.95 / 2.95	10

¹⁾ With cURus- approval

²⁾ With CSA- and cURus- approval

Type CVG (conduit and cable fitting, plastic thread)



PRODUCT INFORMATION

The CVG combined conduit and cable fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free.

The CVG combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

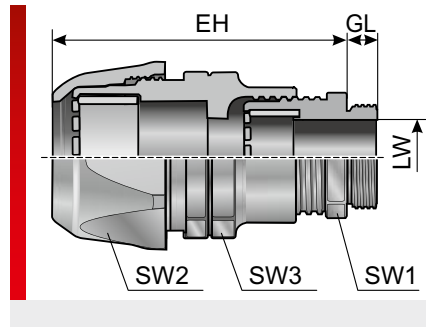
SPECIFICATIONS

	-40 – 230 °F short term 284 °F			
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6			
	Acc. to UL94 V0 self-extinguishing			
	IP 68 up to 6 bar (IP 69K)			
				

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric plastic thread									
CVG M12-K	83531050	Black	M12x1,5	M12/P09	1.54	0.31	0.12 – 0.26	0.59 / 0.79 / 0.79	50
CVG M16-K	83531052	Black	M16x1,5	M16/P11	1.77	0.31	0.16 – 0.31	0.87 / 0.98 / 0.98	50
CVG M20-K	83531056	Black	M20x1,5	M20/P16	2.17	0.35	0.24 – 0.47	0.94 / 1.3 / 1.3	50
CVG M25-K	83531058	Black	M25x1,5	M25/P21	2.24	0.43	0.51 – 0.71	1.3 / 1.65 / 1.57	50
CVG M32-K	83531060	Black	M32x1,5	M32/P29	2.72	0.43	0.71 – 0.98	1.65 / 1.97 / 1.97	25
CVG M40-K ¹⁾	83531062	Black	M40x1,5	M40/P36	3.31	0.51	0.87 – 1.26	2.09 / 2.36 / 2.36	25
CVG M63-K	83531064	Black	M63x1,5	M50/P48	3.70	0.55	1.46 – 1.73	2.36 / 2.95 / 2.87	10

¹⁾ With CSA approval

Type CVG EMV (conduit and cable fitting, metal thread)



PRODUCT INFORMATION

The CVG EMV combined conduit and cable fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The CVG EMV combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

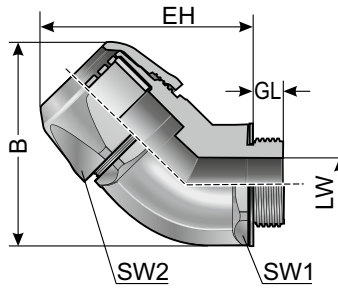
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric metal thread / EMC version									
CVG M12 EMV	83551050	Black	M12x1,5	M12/P09	1.54	0.26	0.12 – 0.26	0.55 / 0.79 / 0.79	50
CVG M16 EMV	83551052	Black	M16x1,5	M16/P11	1.77	0.24	0.2 – 0.31	0.79 / 0.98 / 0.98	50
CVG M20 EMV	83551056	Black	M20x1,5	M20/P16	2.17	0.24	0.39 – 0.55	0.94 / 1.3 / 1.3	50
CVG M25 EMV	83551058	Black	M25x1,5	M25/P21	2.24	0.28	0.51 – 0.71	1.18 / 1.65 / 1.57	50
CVG M32 EMV	83551060	Black	M32x1,5	M32/P29	2.72	0.31	0.71 – 0.98	1.57 / 1.97 / 1.97	25
CVG M40 EMV ¹⁾	83551062	Black	M40x1,5	M40/P36	3.31	0.31	0.87 – 1.26	1.97 / 2.36 / 2.36	25
CVG M50-EMV	83551063	Black	M50x1,5	M50/P48	3.70	0.39	1.46 – 1.73	2.68 / 2.95 / 2.95	10
CVG M63 EMV	83551064	Black	M63x1,5	M50/P48	3.70	0.39	1.46 – 1.73	2.68 / 2.95 / 2.95	10
Metric metal thread / EMC version with extended thread									
CVG/L M12 EMV	83551650	Black	M12x1,5	M12/P09	1.54	0.39	0.12 – 0.26	0.55 / 0.79 / 0.79	50
CVG/L M16 EMV	83551652	Black	M16x1,5	M16/P11	1.77	0.39	0.2 – 0.39	0.79 / 0.98 / 0.98	50
CVG/L M20 EMV	83551656	Black	M20x1,5	M20/P16	2.17	0.39	0.39 – 0.55	0.94 / 1.3 / 1.3	50
CVG/L M25 EMV	83551658	Black	M25x1,5	M25/P21	2.24	0.47	0.51 – 0.71	1.3 / 1.61 / 1.57	50
CVG/L M32 EMV	83551660	Black	M32x1,5	M32/P29	2.72	0.47	0.71 – 0.98	1.57 / 1.97 / 1.97	25
CVG/L M40 EMV ¹⁾	83551662	Black	M40x1,5	M40/P36	3.31	0.59	0.87 – 1.26	1.97 / 2.36 / 2.36	25
CVG/L M50-EMV	83551663	Black	M50x1,5	M50/P48	3.70	0.59	1.46 – 1.73	2.68 / 2.95 / 2.95	10

¹⁾ With CSA approval

Type VW 45° (plastic thread)



PRODUCT INFORMATION

The VW 45° conduit fittings are made of specially modified polyamide 6 and thermo-plastic elastomer. The materials are halogen, phosphor and cadmium-free.

The VW 45° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K without any add-on components to EN 60529

Specification:

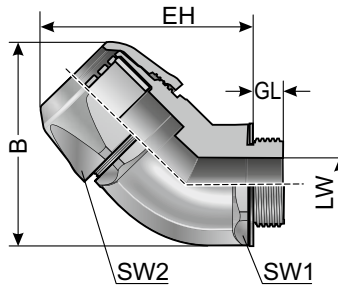
- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F				
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6				
	Acc. to UL94 V0 self-extinguishing				
	IP 68 up to 6 bar (IP 69K)				
					

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
Metric plastic thread										
VW 45 M12-K ⁽¹⁾	83513052	Black	M12x1,5	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 M16-K ⁽¹⁾	83513054	Black	M16x1,5	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 M20-K ⁽¹⁾	83513056	Black	M20x1,5	M20/P16	2.20	0.51	0.57	2.05	1.34 / 1.34	50
VW 45 M25-K ⁽¹⁾	83513058	Black	M25x1,5	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 M32-K ⁽¹⁾	83513060	Black	M32x1,5	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 M40-K ⁽²⁾	83513062	Black	M40x1,5	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 M50-K ⁽¹⁾	83513064	Black	M50x1,5	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
Pg plastic threading										
VW 45 P9-K ⁽¹⁾	83513452	Black	Pg 09	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 P11-K ⁽¹⁾	83513454	Black	Pg 11	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 P16-K ⁽¹⁾	83513456	Black	Pg 16	M20/P16	2.20	0.51	0.57	2.05	1.34 / 1.34	50
VW 45 P21-K ⁽¹⁾	83513458	Black	Pg 21	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 P29-K ⁽¹⁾	83513460	Black	Pg 29	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 P36-K ⁽²⁾	83513462	Black	Pg 36	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 P48-K ⁽¹⁾	83513464	Black	Pg 48	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10

Type VW 45° (plastic thread) (Continued...)

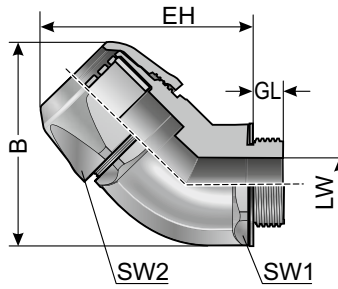


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
VW 45 P9-K ¹⁾	83513412	Gray	Pg 09	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 P11-K ¹⁾	83513414	Gray	Pg 11	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 P16-K ¹⁾	83513416	Gray	Pg 16	M20/P16	2.20	0.51	0.57	2.05	1.34 / 1.34	50
VW 45 P21-K ¹⁾	83513418	Gray	Pg 21	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 P29-K ¹⁾	83513420	Gray	Pg 29	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 P36-K ²⁾	83513422	Gray	Pg 36	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 P48-K ¹⁾	83513424	Gray	Pg 48	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
NPT plastic threading										
VW 45 NPT 3/8"-K ¹⁾	83513850	Black	3/8"	M16/P11	1.77	0.47	0.41	1.69	0.98 / 0.98	50
VW 45 NPT 1/2"-K ¹⁾	83513852	Black	1/2"	M20/P16	2.20	0.51	0.57	2.05	1.3 / 1.3	50
VW 45 NPT 3/4"-K ¹⁾	83513854	Black	3/4"	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 NPT 1"-K ¹⁾	83513856	Black	1"	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 NPT 1 1/4"-K ²⁾	83513858	Black	1 1/4"	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 NPT 2"-K ¹⁾	83513860	Black	2"	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
VW 45 NPT 3/8"-K ¹⁾	83513810	Gray	3/8"	M16/P11	1.77	0.47	0.41	1.69	0.98 / 0.98	50
VW 45 NPT 1/2"-K ¹⁾	83513812	Gray	1/2"	M20/P16	2.20	0.51	0.57	2.05	1.3 / 1.3	50
VW 45 NPT 3/4"-K ¹⁾	83513814	Gray	3/4"	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 NPT 1"-K ¹⁾	83513816	Gray	1"	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 NPT 1 1/4"-K ²⁾	83513818	Gray	1 1/4"	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 NPT 2"-K ¹⁾	83513820	Gray	2"	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10

¹⁾ With cURus- approval

²⁾ With CSA- and cURus- approval

Type VW 45° (metal thread)



PRODUCT INFORMATION

The VW 45° conduit fittings are made of specially modified polyamide 6, thermo-plastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

The VW 45° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

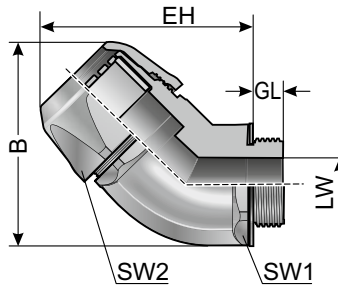
- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F				
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass				
	Acc. to UL94 V0 self-extinguishing				
	IP 68 up to 6 bar (IP 69K)				
					

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
Metric metal thread										
VW 45 M12-M ⁽¹⁾	83513252	Black	M12x1,5	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 M16-M ⁽¹⁾	83513254	Black	M16x1,5	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 M20-M ⁽¹⁾	83513256	Black	M20x1,5	M20/P16	2.20	0.51	0.57	2.05	1.34 / 1.34	50
VW 45 M25-M ⁽¹⁾	83513258	Black	M25x1,5	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 M32-M ⁽¹⁾	83513260	Black	M32x1,5	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 M40-M ⁽²⁾	83513262	Black	M40x1,5	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 M50-M ⁽¹⁾	83513264	Black	M50x1,5	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
Pg-metal threading										
VW 45 M12-M ⁽¹⁾	83513212	Gray	M12x1,5	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 M16-M ⁽¹⁾	83513214	Gray	M16x1,5	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 M20-M ⁽³⁾	83513216	Gray	M20x1,5	M20/P16	2.20	0.51	0.57	2.05	1.34 / 1.34	50
VW 45 M25-M ⁽¹⁾	83513218	Gray	M25x1,5	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 M32-M ⁽¹⁾	83513220	Gray	M32x1,5	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 M40-M ⁽²⁾	83513222	Gray	M40x1,5	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 M50-M ⁽¹⁾	83513224	Gray	M50x1,5	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
Pg-metal threading										
VW 45 P9-M ⁽¹⁾	83513652	Black	Pg 09	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 P11-M ⁽¹⁾	83513654	Black	Pg 11	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 P16-M ⁽¹⁾	83513656	Black	Pg 16	M20/P16	2.20	0.51	0.58	2.05	1.34 / 1.34	50
VW 45 P21-M ⁽¹⁾	83513658	Black	Pg 21	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 P29-M ⁽¹⁾	83513660	Black	Pg 29	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 P36-M ⁽²⁾	83513662	Black	Pg 36	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 P48-M ⁽¹⁾	83513664	Black	Pg 48	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10

Type VW 45° (metal thread) (Continued...)



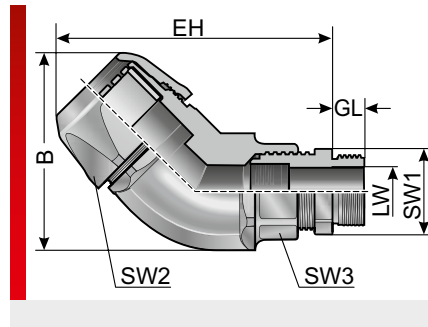
Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
VW 45 P9-M ¹⁾	83513612	Gray	Pg 09	M12/P09	1.50	0.47	0.28	1.42	0.83 / 0.83	50
VW 45 P11-M ¹⁾	83513614	Gray	Pg 11	M16/P11	1.77	0.47	0.41	1.69	1.06 / 1.06	50
VW 45 P16-M ¹⁾	83513616	Gray	Pg 16	M20/P16	2.20	0.51	0.58	2.05	1.34 / 1.34	50
VW 45 P21-M ¹⁾	83513618	Gray	Pg 21	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 P29-M ¹⁾	83513620	Gray	Pg 29	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 P36-M ²⁾	83513622	Gray	Pg 36	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 P48-M ¹⁾	83513624	Gray	Pg 48	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
NPT metal threading										
VW 45 NPT 3/8"-M ¹⁾	83514050	Black	3/8"	M16/P11	1.77	0.47	0.41	1.69	0.94 / 0.94	50
VW 45 NPT 1/2"-M ¹⁾	83514052	Black	1/2"	M20/P16	2.20	0.51	0.57	2.05	1.3 / 1.3	50
VW 45 NPT 3/4"-M ¹⁾	83514054	Black	3/4"	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 NPT 1"-M ¹⁾	83514056	Black	1"	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 NPT 1 1/4"-M ²⁾	83514058	Black	1 1/4"	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 NPT 2"-M ¹⁾	83514060	Black	2"	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10
VW 45 NPT 3/8"-M ¹⁾	83514010	Gray	3/8"	M16/P11	1.77	0.47	0.41	1.69	0.94 / 0.94	50
VW 45 NPT 1/2"-M ¹⁾	83514012	Gray	1/2"	M20/P16	2.20	0.51	0.57	2.05	1.3 / 1.3	50
VW 45 NPT 3/4"-M ¹⁾	83514014	Gray	3/4"	M25/P21	2.56	0.51	0.74	2.56	1.61 / 1.61	25
VW 45 NPT 1"-M ¹⁾	83514016	Gray	1"	M32/P29	3.03	0.55	1	3.11	1.97 / 1.97	25
VW 45 NPT 1 1/4"-M ²⁾	83514018	Gray	1 1/4"	M40/P36	3.54	0.67	1.30	3.74	2.36 / 2.36	25
VW 45 NPT 2"-M ¹⁾	83514020	Gray	2"	M50/P48	4.13	0.67	1.65	4.53	2.95 / 2.95	10

¹⁾ With cURus- approval

²⁾ With CSA- and cURus- approval

³⁾ With cURus approval, - min. order quantity 750 pcs

Type CVW 45° (conduit and cable fitting, plastic thread)



PRODUCT INFORMATION

The CVW 45° combined conduit and cable fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free.

The CVW 45° combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)

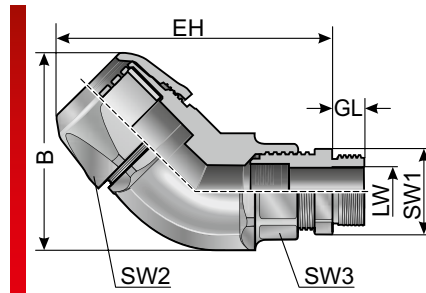


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	B inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric plastic thread										
CVW 45 M12-K	83531250	Black	M12x1,5	M12/P09	2.17	0.31	1.42	0.12 – 0.26	0.59 / 0.79 / 0.79	50
CVW 45 M16-K	83531252	Black	M16x1,5	M16/P11	2.48	0.31	1.69	0.16 – 0.31	0.87 / 0.94 / 0.87	50
CVW 45 M20-K	83531256	Black	M20x1,5	M20/P16	3.03	0.35	2.05	0.24 – 0.47	0.94 / 1.3 / 1.06	50
CVW 45 M25-K	83531258	Black	M25x1,5	M25/P21	3.43	0.43	2.56	0.51 – 0.71	1.3 / 1.61 / 1.3	25
CVW 45 M32-K	83531260	Black	M32x1,5	M32/P29	4.02	0.43	3.11	0.71 – 0.98	1.65 / 1.97 / 1.65	25
CVW 45 M40-K ¹⁾	83531262	Black	M40x1,5	M40/P36	4.84	0.51	3.74	0.87 – 1.38	2.09 / 2.36 / 2.09	25
CVW 45 M63-K ²⁾	83531264	Black	M63x1,5	M50/P48	5.43	0.55	4.53	1.46 – 1.73	2.68 / 2.95 / 2.68	10

¹⁾ With CSA approval

²⁾ No stock goods, delivery time and minimum order quantities upon request

Type CVW 45° EMV (EMC conduit and cable fitting, metal thread)



PRODUCT INFORMATION

The CVW 45° EMV combined conduit and cable fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The CVW 45° EMV combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

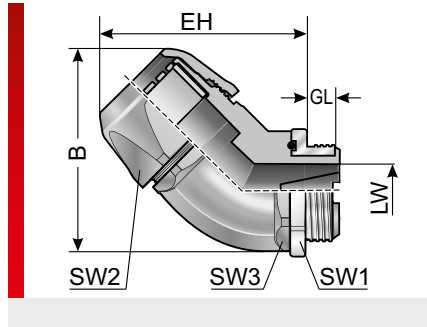
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	B inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric metal thread / EMC version										
CVW 45 M12 EMV	83551250	Black	M12x1,5	M12/P09	2.17	0.20	1.42	0.12 – 0.26	0.55 / 0.79 / 0.79	50
CVW 45 M16 EMV	83551252	Black	M16x1,5	M16/P11	2.48	0.24	1.69	0.2 – 0.39	0.79 / 0.98 / 0.87	50
CVW 45 M20 EMV	83551256	Black	M20x1,5	M20/P16	3.03	0.24	2.05	0.39 – 0.55	0.94 / 1.3 / 1.06	50
CVW 45 M25 EMV	83551258	Black	M25x1,5	M25/P21	3.43	0.28	2.56	0.51 – 0.71	1.18 / 1.61 / 1.3	25
CVW 45 M32 EMV	83551260	Black	M32x1,5	M32/P29	4.02	0.31	2.95	0.71 – 0.94	1.57 / 1.97 / 1.69	25
CVW 45 M40 EMV ¹⁾	83551262	Black	M40x1,5	M40/P36	4.84	0.31	3.74	0.87 – 1.22	1.97 / 2.36 / 2.09	25
CVW 45 M63 EMV	83551264	Black	M63x1,5	M50/P48	5.43	0.39	4.53	1.46 – 1.73	2.68 / 2.95 / 2.68	10

¹⁾ With CSA approval

Type DVW 45° (360° rotatable conduit fitting, metal thread)



PRODUCT INFORMATION

The DVW 45° EMV conduit fittings are rotatable through 360° and made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The DVW 45° EMV rotatable conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

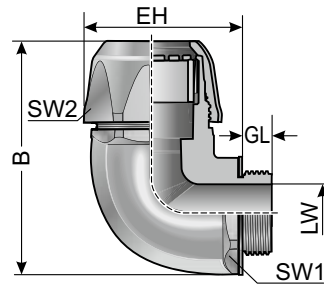
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 / 3 inch	Pack qty.
Metric metal thread										
DVW 45 M16/P9-M	83493252	Black	M16x1,5	M12/P09	1.61	0.44	0.28	1.43	0.83 / 0.83 / 0.83	50
DVW 45 M20/P11-M	83493254	Black	M20x1,5	M16/P11	1.93	0.44	0.41	1.76	1.06 / 1.06 / 1.06	50
DVW 45 M25/P16-M	83493256	Black	M25x1,5	M20/P16	2.33	0.48	0.58	2.18	1.34 / 1.34 / 1.34	25
DVW 45 M32/P21-M	83493258	Black	M32x1,5	M25/P21	2.69	0.48	0.74	2.64	1.61 / 1.61 / 1.61	25
DVW 45 M40/P29-M	83493260	Black	M40x1,5	M32/P29	3.16	0.52	1	3.12	1.97 / 1.97 / 1.97	25
DVW 45 M50/P36-M: Schwarz ¹⁾	83493262	Black	M50x1,5	M40/P36	3.63	0.68	1.30	3.69	2.36 / 2.36 / 2.36	10
DVW 45 M63/P48-M	83493264	Black	M63x1,5	M50/P48	4.24	0.69	1.62	4.50	2.95 / 2.95 / 2.95	10

¹⁾With CSA approval

Type VW 90° (plastic thread)



PRODUCT INFORMATION

The VW 90° conduit fittings are made of specially modified polyamide 6 and thermo-plastic elastomer. The materials are halogen, phosphor and cadmium-free.

The VW 90° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
Metric plastic thread										
VW 90 M12-K ⁽¹⁾	83515052	Black	M12x1,5	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 M16-K ⁽¹⁾	83515054	Black	M16x1,5	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 M20-K ⁽¹⁾	83515056	Black	M20x1,5	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 M25-K ⁽¹⁾	83515058	Black	M25x1,5	M25/P21	2.17	0.51	0.74	3.07	1.61 / 1.61	25
VW 90 M32-K ⁽¹⁾	83515060	Black	M32x1,5	M32/P29	2.56	0.59	1	3.62	1.97 / 1.97	25
VW 90 M40-K ⁽²⁾	83515062	Black	M40x1,5	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 M50-K ⁽¹⁾	83515064	Black	M50x1,5	M50/P48	3.66	0.67	1.65	5.28	2.95 / 2.95	10
Pg plastic threading										
VW 90 P9-K ⁽¹⁾	83515452	Black	Pg 09	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 P11-K ⁽¹⁾	83515454	Black	Pg 11	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 P16-K ⁽¹⁾	83515456	Black	Pg 16	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 P21-K ⁽¹⁾	83515458	Black	Pg 21	M25/P21	1.73	0.51	0.74	3.07	1.61 / 1.61	25
VW 90 P29-K ⁽¹⁾	83515460	Black	Pg 29	M32/P29	2.56	0.55	1	3.62	1.97 / 1.97	25
VW 90 P36-K ⁽²⁾	83515462	Black	Pg 36	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 P48-K ⁽¹⁾	83515464	Black	Pg 48	M50/P48	3.66	0.67	1.65	5.28	2.95 / 2.95	10

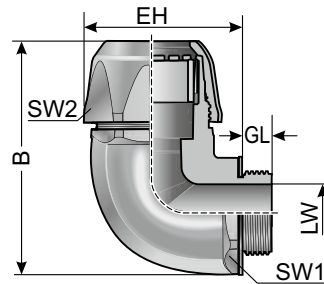
Type VW 90° (plastic thread) (Continued...)

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
VW 90 P9-K ¹⁾	83515412	Gray	Pg 09	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 P11-K ¹⁾	83515414	Gray	Pg 11	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 P16-K ¹⁾	83515416	Gray	Pg 16	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 P21-K ¹⁾	83515418	Gray	Pg 21	M25/P21	1.73	0.51	0.74	3.07	1.61 / 1.61	25
VW 90 P29-K ¹⁾	83515420	Gray	Pg 29	M32/P29	2.56	0.55	1	3.62	1.97 / 1.97	25
VW 90 P36-K ²⁾	83515422	Gray	Pg 36	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 P48-K ¹⁾	83515424	Gray	Pg 48	M50/P48	3.66	0.67	1.65	5.28	2.36 / 2.36	10
NPT plastic threading										
VW 90 N 3/8"-K ¹⁾	83515850	Black	3/8"	M16/P11	1.38	0.47	0.41	2.17	0.98 / 0.98	50
VW 90 N 1/2"-K ¹⁾	83515852	Black	1/2"	M20/P16	1.77	0.51	0.57	2.64	1.34 / 1.34	50
VW 90 N 3/4"-K ¹⁾	83515854	Black	3/4"	M25/P21	2.17	0.55	0.74	3.07	1.61 / 1.61	25
VW 90 N 1"-K ¹⁾	83515856	Black	1"	M32/P29	2.56	0.55	1.01	3.62	1.97 / 1.97	25
VW 90 N 1 1/4"-K ²⁾	83515858	Black	1 1/4"	M40/P36	2.95	0.71	1.30	4.29	2.36 / 2.36	25
VW 90 N 2"-K ¹⁾	83515860	Black	2"	M50/P48	3.66	0.71	1.65	5.28	2.95 / 2.95	10
VW 90 N 3/8"-K ¹⁾	83515810	Gray	3/8"	M16/P11	1.38	0.47	0.41	2.17	0.98 / 0.98	50
VW 90 N 1/2"-K ¹⁾	83515812	Gray	1/2"	M20/P16	1.77	0.51	0.57	2.64	1.34 / 1.34	50
VW 90 N 3/4"-K ¹⁾	83515814	Gray	3/4"	M25/P21	2.17	0.55	0.74	3.07	1.61 / 1.61	25
VW 90 N 1"-K ¹⁾	83515816	Gray	1"	M32/P29	2.56	0.55	1.01	3.62	1.97 / 1.97	25
VW 90 N 1 1/4"-K ²⁾	83515818	Gray	1 1/4"	M40/P36	2.95	0.71	1.30	4.29	2.36 / 2.36	25
VW 90 N 2"-K ¹⁾	83515820	Gray	2"	M50/P48	3.66	0.71	1.65	5.28	2.95 / 2.95	10

¹⁾With cURus- approval

²⁾With CSA- and cURus- approval

Type VW 90° (metal thread)



PRODUCT INFORMATION

The VW 90° conduit fittings are made of specially modified polyamide 6, thermo-plastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

The VW 90° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

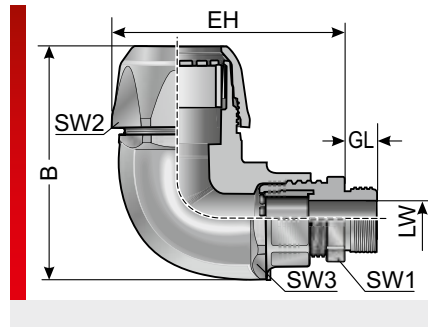
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 inch	Pack qty.
Metric metal thread										
VW 90 M12-M ⁽¹⁾	83515252	Black	M12x1,5	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 M16-M ⁽¹⁾	83515254	Black	M16x1,5	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 M20-M ⁽¹⁾	83515256	Black	M20x1,5	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 M25-M ⁽¹⁾	83515258	Black	M25x1,5	M25/P21	2.17	0.51	0.74	3.07	1.61 / 1.61	25
VW 90 M32-M ⁽¹⁾	83515260	Black	M32x1,5	M32/P29	2.56	0.55	1	3.62	1.97 / 1.97	25
VW 90 M40-M ⁽²⁾	83515262	Black	M40x1,5	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 M50-M ⁽¹⁾	83515264	Black	M50x1,5	M50/P48	3.66	0.67	1.65	5.28	2.95 / 2.95	10
Pg metal thread										
VW 90 M12-M ⁽¹⁾	83515212	Gray	M12x1,5	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 M16-M ⁽¹⁾	83515214	Gray	M16x1,5	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 M20-M ⁽¹⁾	83515216	Gray	M20x1,5	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 M25-M ⁽¹⁾	83515218	Gray	M25x1,5	M25/P21	2.17	0.51	0.74	3.07	1.61 / 1.61	25
VW 90 M32-M ⁽¹⁾	83515220	Gray	M32x1,5	M32/P29	2.56	0.55	1	3.62	1.97 / 1.97	25
VW 90 M40-M ⁽²⁾	83515222	Gray	M40x1,5	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 M50-M ⁽¹⁾	83515224	Gray	M50x1,5	M50/P48	3.66	0.67	1.65	5.28	2.95 / 2.95	10
Pg metal thread										
VW 90 P9-M ⁽¹⁾	83515652	Black	Pg 09	M12/P09	1.14	0.47	0.28	1.77	0.83 / 0.83	50
VW 90 P11-M ⁽¹⁾	83515654	Black	Pg 11	M16/P11	1.38	0.47	0.41	2.17	1.06 / 1.06	50
VW 90 P16-M ⁽¹⁾	83515656	Black	Pg 16	M20/P16	1.77	0.51	0.58	2.64	1.34 / 1.34	50
VW 90 P21-M ⁽¹⁾	83515658	Black	Pg 21	M25/P21	2.17	0.55	0.74	3.07	1.61 / 1.61	25
VW 90 P29-M ⁽¹⁾	83515660	Black	Pg 29	M32/P29	2.56	0.55	1	3.62	1.97 / 1.97	25
VW 90 P36-M ⁽²⁾	83515662	Black	Pg 36	M40/P36	2.95	0.67	1.30	4.29	2.36 / 2.36	25
VW 90 P48-M ⁽¹⁾	83515664	Black	Pg 48	M50/P48	3.66	0.67	1.65	5.28	2.95 / 2.95	10

Type CVW 90° (conduit and cable fitting, plastic thread)



PRODUCT INFORMATION

The CVW 90° combined conduit and cable fittings are made of specially modified polyamide 6 and thermoplastic elastomer. The materials are halogen, phosphor and cadmium-free.

The CVW 90° combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS



-40 – 230 °F short term 284 °F



Fitting: Mod. polyamide PA 6
Connecting thread: Mod. polyamide PA 6



Acc. to UL94 V0 self-extinguishing



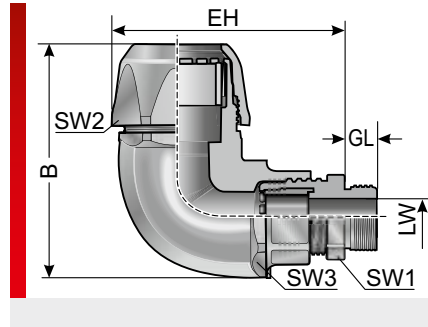
IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	B inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric plastic thread										
CVW 90 M12	83531450	Black	M12x1,5	M12/P09	1.77	0.31	1.73	0.12 – 0.26	0.83 / 0.59 / 0.79	50
CVW 90 M16	83531452	Black	M16x1,5	M16/P11	2.17	0.31	2.13	0.16 – 0.31	1.06 / 0.87 / 0.98	50
CVW 90 M20	83531456	Black	M20x1,5	M20/P16	2.64	0.35	2.64	0.24 – 0.47	1.3 / 0.94 / 1.3	50
CVW 90 M25	83531458	Black	M25x1,5	M25/P21	2.99	0.43	3.11	0.51 – 0.75	1.61 / 1.3 / 1.61	25
CVW 90 M32	83531460	Black	M32x1,5	M32/P29	3.70	0.43	3.62	0.71 – 0.98	1.97 / 1.65 / 1.97	25
CVW 90 M40 ¹⁾	83531462	Black	M40x1,5	M40/P36	4.41	0.51	4.29	0.87 – 1.26	2.36 / 2.09 / 2.36	25
CVW 90 M63	83531464	Black	M63x1,5	M50/P48	5.04	0.55	5.35	1.46 – 1.73	2.95 / 2.68 / 2.95	10

¹⁾ With CSA approval

Type CVW 90° EMV (EMC conduit and cable fitting, metal thread)



PRODUCT INFORMATION

The CVW 90° EMV combined conduit and cable fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free. The CVW 90° EMV combined conduit and cable fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- Optimum strain relief for the cable
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

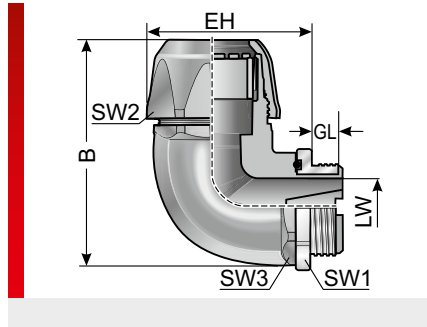
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	B inch	Clamping range (LW) inch	SW 1 / 2 / 3 inch	Pack qty.
Metric metal thread / EMC version										
CVW 90 M12 EMV	83551450	Black	M12x1,5	M12/P09	1.81	0.26	1.77	0.12 – 0.26	0.83 / 0.55 / 0.79	50
CVW 90 M16 EMV	83551452	Black	M16x1,5	M16/P11	2.13	0.24	2.13	0.2 – 0.39	1.06 / 0.79 / 0.98	50
CVW 90 M20 EMV	83551456	Black	M20x1,5	M20/P16	2.64	0.24	2.64	0.39 – 0.55	1.34 / 0.94 / 1.3	50
CVW 90 M25 EMV	83551458	Black	M25x1,5	M25/P21	2.91	0.28	3.11	0.51 – 0.71	1.61 / 1.18 / 1.61	25
CVW 90 M32 EMV	83551460	Black	M32x1,5	M32/P29	3.46	0.31	3.62	0.71 – 0.98	1.97 / 1.57 / 1.97	25
CVW 90 M40 EMV ¹⁾	83551462	Black	M40x1,5	M40/P36	4.25	0.31	4.29	0.87 – 1.26	2.36 / 1.97 / 2.36	25
CVW 90 M63 EMV	83551464	Black	M63x1,5	M50/P36	5	0.39	5.35	1.46 – 1.73	2.95 / 2.68 / 2.95	10

¹⁾ With CSA approval

Type DVW 90° (360° rotatable conduit fitting, metal thread)



PRODUCT INFORMATION

The rotatable DVW 90° conduit fittings are made of specially modified polyamide 6, thermoplastic elastomer and nickel-plated brass. The materials are halogen, phosphor and cadmium-free.

The DVW 90° conduit fittings feature the following advantages:

- Quick assembly, insert conduit, screw upper part tight, done
- No parts can get lost, delivered completely assembled

- Resistant to vibration due to lockable cap nut
- Clamping along entire circumference, ensuring maximum tensile strength
- High level of tightness at IP 68/69K to 6 bar without any add-on components to EN 60529

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Connecting thread: Nickel-plated brass
	Acc. to UL94 V0 self-extinguishing
	IP 68 up to 6 bar (IP 69K)



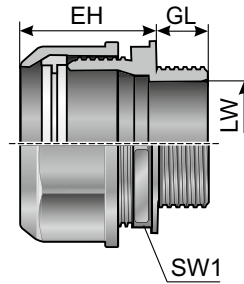
Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	B inch	SW 1 / 2 / 3 inch	Pack qty.
Metric metal thread										
DVW 90 M16/P9-M	83495252	Black	M16x1,5	M12/P09	1.25	0.44	0.28	1.80	0.83 / 0.83 / 0.83	50
DVW 90 M20/P11-M	83495254	Black	M20x1,5	M16/P11	1.52	0.44	0.41	2.24	1.06 / 1.06 / 0.98	50
DVW 90 M25/P16-M	83495256	Black	M25x1,5	M20/P16	1.89	0.48	0.57	2.70	1.34 / 1.06 / 1.34	25
DVW 90 M32/P21-M	83495258	Black	M32x1,5	M25/P21	2.19	0.48	0.74	3.12	1.61 / 1.61 / 1.61	25
DVW 90 M40/P29-M	83495260	Black	M40x1,5	M32/P29	2.66	0.52	1	3.69	1.97 / 1.97 / 1.97	25
DVW 90 M50/P36-M ¹⁾	83495262	Black	M50x1,5	M40/P36	2.98	0.60	1.30	4.33	2.36 / 2.36 / 2.36	10
DVW 90 M63/P48-M	83495264	Black	M63x1,5	M50/P48	3.65	0.60	1.62	5.35	2.95 / 2.95 / 2.95	10

¹⁾ With CSA approval



m-tec conduit fitting

Type EH



PRODUCT INFORMATION

The EH conduit fittings are made of specially modified polyamide and polyoxymethylene. The materials are halogen, phosphor and cadmium-free.

The EH conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled

- Tightness of IP 65 for static and dynamic application
- Integrated clamping ring ensures high tear-out strength

Specification:

- UL listed E 148958
- EN 45545-2 3x HL3

SPECIFICATIONS

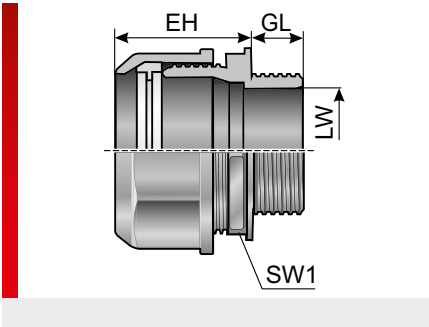
	-40 – 230 °F short term 284 °F			
	Fitting: Mod. polyamide PA 6 Clamping ring: Polyoxymethylene (POM)			
	Acc. to UL94 V0 self-extinguishing			
	IP 65			
				

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 inch	Pack qty.
Metric thread									
EH-M12x1.5/9	83501452	Black	M12x1,5	M12/P09	1.02	0.51	0.31	0.75	50
EH-M12x1.5/11	83501456	Black	M12x1,5	M16/P11	1.02	0.51	0.31	0.87	50
EH-M16x1.5/9	83501454	Black	M16x1,5	M12/P09	1.02	0.51	0.43	0.75	50
EH-M16x1.5/11	83501458	Black	M16x1,5	M16/P11	1.02	0.51	0.43	0.87	50
EH-M20x1.5/13.5	83501459	Black	M20x1,5	NW13	1.02	0.55	0.59	1.06	50
EH-M20x1.5/16	83501460	Black	M20x1,5	M20/P16(S)	1.02	0.55	0.59	1.06	50
EH-M25x1.5/21	83501462	Black	M25x1,5	M25/P21(S)	1.30	0.39	0.83	1.46	50
EH-M32x1.5/29 ¹⁾	83501464	Black	M32x1,5	M32/P29(S)	1.30	0.39	1.06	1.77	25
EH-M40x1.5/36 ¹⁾	83501466	Black	M40x1,5	M40/P36(S)	1.73	0.59	1.38	2.17	25
EH-M50x1.5/48 ¹⁾	83501468	Black	M50x1,5	M50/P48(S)	1.97	0.67	1.73	2.56	10
EH-M63x1.5/48 ¹⁾	83501470	Black	M63x1,5	M50/P48(S)	1.97	0.59	1.97	2.56	10
EH-M12x1.5/9	83501412	Gray	M12x1,5	M12/P09	1.02	0.51	0.31	0.75	50
EH-M12x1.5/11	83501416	Gray	M12x1,5	M16/P11	1.02	0.51	0.31	0.87	50
EH-M16x1.5/9	83501414	Gray	M16x1,5	M12/P09	1.02	0.51	0.43	0.75	50
EH-M16x1.5/11	83501418	Gray	M16x1,5	M16/P11	1.02	0.51	0.43	0.87	50
EH-M20x1.5/13.5	83501419	Gray	M20x1,5	NW13	1.02	0.55	0.59	1.06	50
EH-M20x1.5/16	83501420	Gray	M20x1,5	M20/P16(S)	1.02	0.55	0.59	1.06	50
EH-M25x1.5/21	83501422	Gray	M25x1,5	M25/P21(S)	1.30	0.39	0.83	1.46	50
EH-M32x1.5/29 ¹⁾	83501424	Gray	M32x1,5	M32/P29(S)	1.30	0.39	1.06	1.77	25
EH-M40x1.5/36 ¹⁾	83501426	Gray	M40x1,5	M40/P36(S)	1.73	0.59	1.38	2.17	25
EH-M50x1.5/48 ¹⁾	83501428	Gray	M50x1,5	M50/P48(S)	1.97	0.67	1.73	2.56	10
EH-M63x1.5/48 ¹⁾	83501430	Gray	M63x1,5	M50/P48(S)	1.97	0.59	1.97	2.56	10

Type EH (Continued...)

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 inch	Pack qty.
Pg threads									
EH-Pg 07	83501050	Black	Pg 07	M10/P07	1.02	0.31	0.33	0.75	50
EH-Pg 07/09	83501068	Black	Pg 07	M12/P09	1.02	0.31	0.33	0.75	50
EH-Pg 09	83501052	Black	Pg 09	M12/P09	1.02	0.31	0.43	0.75	50
EH-Pg 09/11	83501070	Black	Pg 09	M16/P11	1.02	0.31	0.41	0.87	50
EH-Pg 09/13.5	83501072	Black	Pg 09	NW13	1.02	0.31	0.41	1.06	50
EH-Pg 09/16	83501074	Black	Pg 09	M20/P16	1.02	0.31	0.41	1.06	50
EH-Pg 11/09	83501076	Black	Pg 11	M12/P09	1.02	0.31	0.55	0.75	50
EH-Pg 11	83501054	Black	Pg 11	M16/P11	1.02	0.31	0.55	0.87	50
EH-Pg 11/13.5	83501078	Black	Pg 11	NW13	1.02	0.31	0.55	1.06	50
EH-Pg 11/16	83501080	Black	Pg 11	M20/P16	1.02	0.31	0.55	1.06	50
EH-Pg 13.5	83501055	Black	Pg 13.5	NW13	1.02	0.31	0.55	1.06	50
EH-Pg 13.5/16	83501056	Black	Pg 13.5	M20/P16	1.02	0.31	0.55	1.06	50
EH-Pg 16/13.5	83501082	Black	Pg 16	NW13	1.02	0.31	0.67	1.06	50
EH-Pg 16	83501058	Black	Pg 16	M20/P16	1.02	0.31	0.67	1.06	50
EH-Pg 21	83501060	Black	Pg 21	M25/P21(S)	1.34	0.39	0.91	1.50	50
EH-Pg 21 long	83501061	Black	Pg 21	M25/P21(S)	1.34	0.59	0.91	1.50	50
EH-Pg 29 ¹⁾	83501062	Black	Pg 29	M32/P29(S)	1.34	0.39	1.22	1.81	25
EH-Pg 36 ¹⁾	83501064	Black	Pg 36	M40/P36(S)	1.73	0.59	1.57	2.17	25
EH-Pg 48 ¹⁾	83501066	Black	Pg 48	M50/P48(S)	1.97	0.59	2.01	2.56	10
EH-Pg 07	83501010	Gray	Pg 07	M10/P07	1.02	0.31	0.33	0.75	50
EH-Pg 07/09	83501028	Gray	Pg 07	M12/P09	1.02	0.31	0.33	0.75	50
EH-Pg 09	83501012	Gray	Pg 09	M12/P09	1.02	0.31	0.43	0.75	50
EH-Pg 09/11	83501030	Gray	Pg 09	M16/P11	1.02	0.31	0.41	0.87	50
EH-Pg 09/13.5	83501032	Gray	Pg 09	NW13	1.02	0.31	0.41	1.06	50
EH-Pg 09/16	83501034	Gray	Pg 09	M20/P16	1.02	0.31	0.41	1.06	50
EH-Pg 11/09	83501036	Gray	Pg 11	M12/P09	1.02	0.31	0.55	0.75	50
EH-Pg 11	83501014	Gray	Pg 11	M16/P11	1.02	0.31	0.55	0.87	50
EH-Pg 11/13.5	83501038	Gray	Pg 11	NW13	1.02	0.31	0.55	1.06	50
EH-Pg 11/16	83501040	Gray	Pg 11	M20/P16	1.02	0.31	0.55	1.06	50
EH-Pg 13.5	83501015	Gray	Pg 13.5	NW13	1.02	0.31	0.55	1.06	50
EH-Pg 13.5/16	83501016	Gray	Pg 13.5	M20/P16	1.02	0.31	0.55	1.06	50
EH-Pg 16/13.5	83501042	Gray	Pg 16	NW13	1.02	0.31	0.67	1.06	50
EH-Pg 16	83501018	Gray	Pg 16	M20/P16	1.02	0.31	0.67	1.06	50
EH-Pg 21	83501020	Gray	Pg 21	M25/P21(S)	1.34	0.39	0.91	1.50	50
EH-Pg 21 long	83501021	Gray	Pg 21	M25/P21(S)	1.34	0.59	0.91	1.50	50
EH-Pg 29 ¹⁾	83501022	Gray	Pg 29	M32/P29(S)	1.34	0.39	1.22	1.81	25
EH-Pg 36 ¹⁾	83501024	Gray	Pg 36	M40/P36(S)	1.73	0.59	1.57	2.17	25
EH-Pg 48 ¹⁾	83501026	Gray	Pg 48	M50/P48(S)	1.97	0.59	2.01	2.56	10
NPT thread									
EH-NPT 3/8"/11	83501251	Black	3/8"	M16/P11	1.02	0.55	0.47	0.87	50
EH-NPT 1/2"/16	83501250	Black	1/2"	M20/P16(S)	1.02	0.51	0.55	1.06	50
EH-NPT 3/4"/21	83501252	Black	3/4"	M25/P21(S)	1.22	0.55	0.75	1.46	50
EH-NPT 1"/29 ¹⁾	83501254	Black	1"	M32/P29(S)	1.26	0.75	1.02	1.81	25
EH-NPT 1 1/4"/36 ¹⁾	83501256	Black	1 1/4"	M40/P36(S)	1.73	0.71	1.38	2.17	25

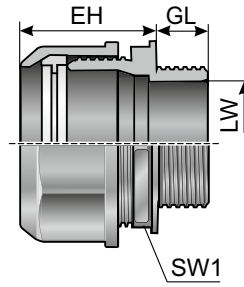
Type EH (Continued...)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 inch	Pack qty.
EH-NPT 2"/48 ¹⁾	83501258	Black	2"	M50/P48(S)	1.97	0.71	2.01	2.56	10
EH-NPT 3/8"/11	83501211	Gray	3/8"	M16/P11	1.02	0.55	0.47	0.87	50
EH-NPT 1/2"/16	83501210	Gray	1/2"	M20/P16(S)	1.02	0.51	0.55	1.06	50
EH-NPT 3/4"/21	83501212	Gray	3/4"	M25/P21(S)	1.22	0.55	0.75	1.46	50
EH-NPT 1"/29 ¹⁾	83501214	Gray	1"	M32/P29(S)	1.26	0.75	1.02	1.81	25
EH-NPT 1 1/4"/36 ¹⁾	83501216	Gray	1 1/4"	M40/P36(S)	1.73	0.71	1.38	2.17	25
EH-NPT 2"/48 ¹⁾	83501218	Gray	2"	M50/P48(S)	1.97	0.71	2.01	2.56	10

¹⁾With cURus- approval

Type EH/S



PRODUCT INFORMATION

The EH/S conduit fittings are made of specially modified polyamide and polyoxymethylene. The materials are halogen, phosphor and cadmium-free.

The EH/S conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled

- Cost-effective solution
- Integrated clamping ring ensures high tear-out strength

Fitting suitable for the EVK, EL and ELS cable protection conduit.

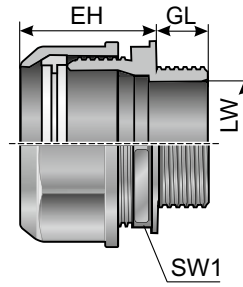
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide Clamping ring: Polyoxymethylene (POM)
	Acc. to UL94 V0 self-extinguishing
	IP 65



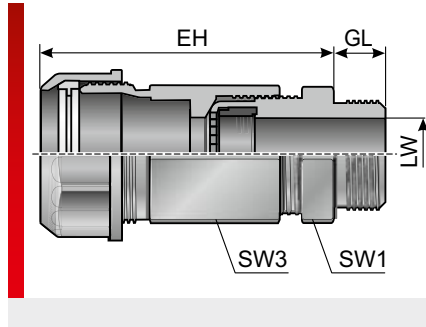
Type	Order No.	Color	Connecting thread	Suitable for Murrflex EL	Suitable for Murrflex ELS	Suitable for Murrflex EVK	EH inch	GL inch	SW 1 inch	Pack qty.
Metric plastic thread										
EH/S M12X1.5/9	83541252	Black	M12x1,5	09	09	07/E	1.02	0.51	0.75	50
EH/S M12X1.5/11	83541256	Black	M12x1,5	11	11	09/E	1.02	0.51	0.87	50
EH/S M16X1.5/9	83541254	Black	M16x1,5	09	09	07/E	1.02	0.51	0.75	50
EH/S M16X1.5/11	83541258	Black	M16x1,5	11	11	09/E	1.02	0.51	0.87	50
EH/S M20X1.5/13	83541259	Black	M20x1,5	13	13	11	1.02	0.55	1.06	50
EH/S M20X1.5/16	83541260	Black	M20x1,5	16	16	11	1.02	0.55	1.06	50
EH/S M25X1.5/21	83541262	Black	M25x1,5	21	21	21/E	1.30	0.39	1.46	50
EH/S M32X1.5/29	83541264	Black	M32x1,5	29	29	29/E	1.30	0.39	1.77	25
EH/S M40X1.5/36	83541266	Black	M40x1,5	36	36	36/E	1.73	0.59	2.17	25
EH/S M50X1.5/48	83541268	Black	M50x1,5	48	48	42	1.97	0.67	2.56	10
EH/S M12X1.5/9	83541212	Gray	M12x1,5	09	09	07/E	1.02	0.51	0.75	50
EH/S M12X1.5/11	83541216	Gray	M12x1,5	11	11	09/E	1.02	0.51	0.87	50
EH/S M16X1.5/9	83541214	Gray	M16x1,5	09	09	07/E	1.02	0.51	0.75	50
EH/S M16X1.5/11	83541218	Gray	M16x1,5	11	11	09/E	1.02	0.51	0.87	50
EH/S M20X1.5/13	83541219	Gray	M20x1,5	13	13	11	1.02	0.55	1.06	50
EH/S M20X1.5/16	83541220	Gray	M20x1,5	16	16	11	1.02	0.55	1.06	50
EH/S M25X1.5/21	83541222	Gray	M25x1,5	21	21	21/E	1.30	0.39	1.46	50
EH/S M32X1.5/29	83541224	Gray	M32x1,5	29	29	29/E	1.30	0.39	1.77	25
EH/S M40X1.5/36	83541226	Gray	M40x1,5	36	36	36/E	1.73	0.59	2.17	25
EH/S M50X1.5/48	83541228	Gray	M50x1,5	48	48	42	1.97	0.67	2.56	10
Pg plastic threading										
EH/S PG 07	83541050	Black	Pg 07		07		1.02	0.31	0.75	50
EH/S PG 07/09	83541068	Black	Pg 07	09	09		1.02	0.31	0.75	50

Type EH/S (Continued...)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex EL	Suitable for Murrflex ELS	Suitable for Murrflex EVK	EH inch	GL inch	SW 1 inch	Pack qty.
EH/S PG 09	83541052	Black	Pg 09	09	09	07/E	1.02	0.31	0.75	50
EH/S PG 09/11	83541070	Black	Pg 09	11	11	09/E	1.02	0.31	0.87	50
EH/S PG 09/13	83541072	Black	Pg 09	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 09/16	83541074	Black	Pg 09	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 11/09	83541076	Black	Pg 11	09	09	07/E	1.02	0.31	0.75	50
EH/S PG 11	83541054	Black	Pg 11	11	11	09/E	1.02	0.31	0.87	50
EH/S PG 11/13	83541078	Black	Pg 11	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 11/16	83541080	Black	Pg 11	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 13.5	83541056	Black	Pg 13.5	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 13/16	83541082	Black	Pg 13	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 16/13	83541084	Black	Pg 16	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 16	83541058	Black	Pg 16	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 21	83541060	Black	Pg 21	21	21	16/E	1.34	0.39	1.50	50
EH/S PG 29	83541062	Black	Pg 29	29	29	21/E	1.34	0.39	1.81	25
EH/S PG 36	83541064	Black	Pg 36	36	36	29/E	1.73	0.59	2.17	25
EH/S PG 48	83541066	Black	Pg 48	48	48	42	1.97	0.59	2.56	10
EH/S PG 07	83541010	Gray	Pg 07		07		1.02	0.31	0.75	50
EH/S PG 07/09	83541028	Gray	Pg 07	09	09		1.02	0.31	0.75	50
EH/S PG 09	83541012	Gray	Pg 09	09	09	07/E	1.02	0.31	0.75	50
EH/S PG 09/11	83541030	Gray	Pg 09	11	11	09/E	1.02	0.31	0.87	50
EH/S PG 09/13	83541032	Gray	Pg 09	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 09/16	83541034	Gray	Pg 09	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 11/09	83541040	Gray	Pg 11	09	09	07/E	1.02	0.31	0.75	50
EH/S PG 11	83541014	Gray	Pg 11	11	11	09/E	1.02	0.31	0.87	50
EH/S PG 11/13	83541036	Gray	Pg 11	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 11/16	83541038	Gray	Pg 11	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 13.5	83541016	Gray	Pg 13.5	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 13/16	83541042	Gray	Pg 13	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 16/13	83541044	Gray	Pg 16	13	13	11/E	1.02	0.31	1.06	50
EH/S PG 16	83541018	Gray	Pg 16	16	16	13/E	1.02	0.31	1.06	50
EH/S PG 21	83541020	Gray	Pg 21	21	21	16/E	1.34	0.39	1.50	50
EH/S PG 29	83541022	Gray	Pg 29	29	29	21/E	1.34	0.39	1.81	25
EH/S PG 36	83541024	Gray	Pg 36	36	36	29/E	1.73	0.59	2.17	25
EH/S PG 48	83541026	Gray	Pg 48	48	48	42	1.97	0.59	2.56	10

Type CSKV (conduit and cable fitting)



PRODUCT INFORMATION

The CSKV conduit and cable fitting is a combination of our proven WKK cable fitting and the EH conduit fitting. The fittings are made of specially modified polyamide. The materials are halogen, phosphor and cadmium-free.

The CSKV conduit and cable fittings feature the following advantages:

- No parts can get lost, delivered completely assembled

- Tightness of IP 65 for static and dynamic application
- Integrated clamping ring ensures high tear-out strength
- Optimum strain relief for the cable due to iris-shaped lamellae

Specification:

- UL listed E 148958
- EN 45545-2 3x HL3

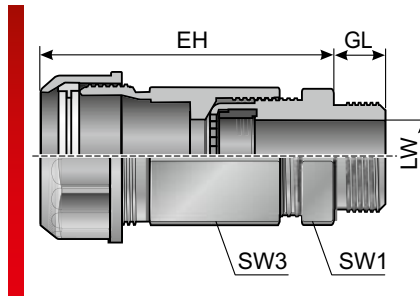
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Molded seal: Perbunan (NBR)
	Acc. to UL94 V0 self-extinguishing
	IP 65



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	Clamping range (LW) inch	SW 1 / 3 inch	Pack qty.
Metric thread									
CSKV-M16x1.5/9 ¹⁾	83581850	Black	M16x1,5	M12/P09	1.77	0.31	0.16 – 0.31	0.75 / 0.75	50
CSKV-M16x1.5/11 ¹⁾	83581852	Black	M16x1,5	M16/P11	1.93	0.31	0.2 – 0.39	0.87 / 0.87	50
CSKV-M20x1.5/13.5-16 ¹⁾	83581854	Black	M20x1,5	NW13	1.97	0.35	0.24 – 0.47	0.94 / 1.06	50
CSKV M20x1.5/16/6-12 ²⁾	83980354	Black	M20x1,5	M20/P16(S)	1.97	0.35	0.24 – 0.47	0.94 / 1.06	50
CSKV-M20x1.5/16 ¹⁾	83581856	Black	M20x1,5	M20/P16(S)	1.97	0.35	0.39 – 0.55	1.06 / 1.06	50
CSKV-M25x1.5/21 ¹⁾	83581858	Black	M25x1,5	M25/P21(S)	2.36	0.43	0.51 – 0.71	1.3 / 1.3	50
CSKV-M32x1.5/29 ¹⁾	83581860	Black	M32x1,5	M32/P29(S)	2.72	0.43	0.71 – 0.98	1.65 / 1.65	25
CSKV-M40x1.5/36 ¹⁾	83581862	Black	M40x1,5	M40/P36(S)	3.46	0.51	0.87 – 1.26	2.09 / 2.09	10
CSKV-M63x1.5/48 ¹⁾	83581864	Black	M63x1,5	M50/P48(S)	4.29	0.55	1.46 – 1.73	2.56 / 2.56	10
CSKV-M16x1.5/9 ¹⁾	83581810	Gray	M16x1,5	M12/P09	1.77	0.31	0.16 – 0.31	0.75 / 0.75	50
CSKV-M16x1.5/11 ¹⁾	83581812	Gray	M16x1,5	M16/P11	1.93	0.31	0.2 – 0.39	0.87 / 0.87	50
CSKV-M20x1.5/13.5-16 ¹⁾	83581814	Gray	M20x1,5	NW13	1.97	0.35	0.24 – 0.47	0.94 / 1.06	50
CSKV-M20x1.5/16 ¹⁾	83581816	Gray	M20x1,5	M20/P16(S)	2.05	0.35	0.39 – 0.55	1.06 / 1.06	50
CSKV-M25x1.5/21 ¹⁾	83581818	Gray	M25x1,5	M25/P21(S)	2.36	0.43	0.51 – 0.71	1.3 / 1.3	50
CSKV-M32x1.5/29 ¹⁾	83581820	Gray	M32x1,5	M32/P29(S)	2.72	0.43	0.71 – 0.98	1.65 / 1.65	25
CSKV-M40x1.5/36 ¹⁾	83581822	Gray	M40x1,5	M40/P36(S)	3.46	0.51	0.87 – 1.26	2.09 / 2.09	10
CSKV-M63x1.5/48 ¹⁾	83581824	Gray	M63x1,5	M50/P48(S)	4.29	0.55	1.46 – 1.73	2.56 / 2.56	10
Pg threads									
CSKV-Pg 09 ¹⁾	83581250	Black	Pg 09	M12/P09	1.77	0.31	0.16 – 0.31	0.75 / 0.75	50
CSKV-Pg 11 ¹⁾	83581252	Black	Pg 11	M16/P11	1.93	0.31	0.2 – 0.39	0.87 / 0.87	50
CSKV-Pg 13.5/16 ¹⁾	83581254	Black	Pg 13.5	M20/P16(S)	2.05	0.35	0.24 – 0.47	0.94 / 1.06	50
CSKV-Pg 16 ¹⁾	83581256	Black	Pg 16	M20/P16(S)	2.05	0.39	0.39 – 0.55	1.06 / 1.06	50

Type CSKV (conduit and cable fitting) (Continued...)

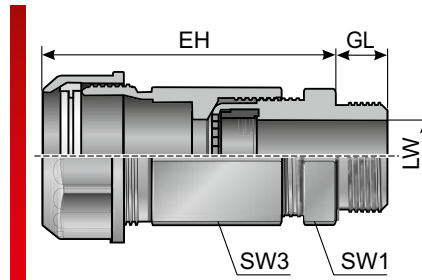


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	Clamping range (LW) inch	SW 1 / 3 inch	Pack qty.
CSKV-Pg 21 ¹⁾	83581258	Black	Pg 21	M25/P21(S)	2.36	0.43	0.51 – 0.71	1.3 / 1.3	50
CSKV-Pg 29 ¹⁾	83581260	Black	Pg 29	M32/P29(S)	2.72	0.43	0.71 – 0.98	1.65 / 1.65	25
CSKV-Pg 36 ¹⁾	83581262	Black	Pg 36	M40/P36(S)	3.46	0.51	0.87 – 1.26	2.09 / 2.09	10
CSKV-Pg 48 ¹⁾	83581264	Black	Pg 48	M50/P48(S)	3.74	0.55	1.46 – 1.73	2.56 / 2.56	10
CSKV-Pg 09 ¹⁾	83581210	Gray	Pg 09	M12/P09	1.77	0.31	0.16 – 0.31	0.75 / 0.75	50
CSKV-Pg 11 ¹⁾	83581212	Gray	Pg 11	M16/P11	1.93	0.31	0.2 – 0.39	0.87 / 0.87	50
CSKV-Pg 13.5/16 ¹⁾	83581214	Gray	Pg 13.5	M20/P16(S)	2.05	0.35	0.24 – 0.47	0.94 / 1.06	50
CSKV-Pg 16 ¹⁾	83581216	Gray	Pg 16	M20/P16(S)	2.05	0.39	0.39 – 0.55	1.06 / 1.06	50
CSKV-Pg 21 ¹⁾	83581218	Gray	Pg 21	M25/P21(S)	2.36	0.43	0.51 – 0.71	1.3 / 1.3	50
CSKV-Pg 29 ¹⁾	83581220	Gray	Pg 29	M32/P29(S)	2.72	0.43	0.71 – 0.98	1.65 / 1.65	25
CSKV-Pg 36 ¹⁾	83581222	Gray	Pg 36	M40/P36(S)	3.46	0.51	0.87 – 1.26	2.09 / 2.09	10
CSKV-Pg 48 ¹⁾	83581224	Gray	Pg 48	M50/P48(S)	3.74	0.55	1.46 – 1.73	2.56 / 2.56	10
NPT thread									
CSKV 3/8"-09 ¹⁾	83583250	Black	3/8"	M12/P09	1.77	0.55	0.16 – 0.31	0.75 / 0.87	50
CSKV 1/2"-16 ¹⁾	83583256	Black	1/2"	M20/P16(S)	2.05	0.51	0.39 – 0.55	1.06 / 1.06	50
CSKV 3/4"-21 ¹⁾	83583258	Black	3/4"	M25/P21(S)	2.36	0.55	0.51 – 0.71	1.3 / 1.3	25
CSKV 1"-29 ¹⁾	83583260	Black	1"	M32/P29(S)	2.72	0.75	0.71 – 0.98	1.65 / 1.65	25
CSKV 3/8"-09 ¹⁾	83583210	Gray	3/8"	M12/P09	1.77	0.55	0.16 – 0.31	0.75 / 0.87	50
CSKV 1/2"-16 ¹⁾	83583216	Gray	1/2"	M20/P16(S)	2.05	0.51	0.39 – 0.55	1.06 / 1.06	50
CSKV 3/4"-21 ¹⁾	83583218	Gray	3/4"	M25/P21(S)	2.36	0.55	0.51 – 0.71	1.3 / 1.3	25
CSKV 1"-29 ¹⁾	83583220	Gray	1"	M32/P29(S)	2.72	0.75	0.71 – 0.98	1.65 / 1.65	25

¹⁾ With cURus- approval

²⁾ Min. order quantity 250 pcs

Type MCSKV (conduit and cable fitting)



PRODUCT INFORMATION

The MCSKV conduit and cable fitting is a combination of our proven WKK cable fitting and the m-tec EH conduit fitting with multi-insert.

The fittings are made of specially modified polyamide.

The materials are halogen, phosphor and cadmium-free.

The MCSKV conduit and cable fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Tightness of IP 65 for static and dynamic application
- Integrated clamping ring ensures high tear-out strength
- Several cables can be inserted at the same time

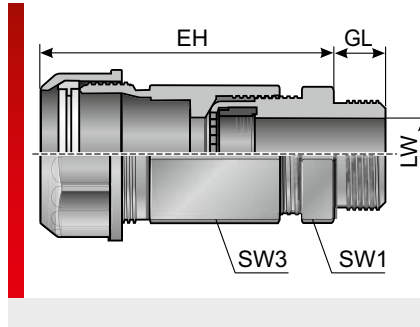
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Molded seal: Perbunan (NBR)
	Acc. to UL94 V0 self-extinguishing
	IP 65



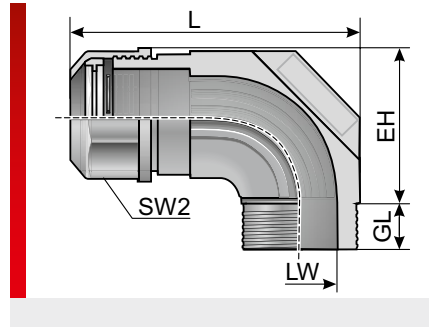
Type	Order No.	Color	Connecting thread	Suitable for Murrflex	Number x Ø inch	EH inch	GL inch	SW 1 / 3 inch	Pack qty.
Metric thread									
MCSKV-M16x1.5 / 9 / 4x1.4	83582850	Black	M16x1,5	M12/P09	4.0 x 0.06	1.77	0.31	0.75 / 0.75	50
MCSKV-M16x1.5 / 9 / 2x3	83582852	Black	M16x1,5	M12/P09	2.0 x 0.12	1.77	0.31	0.75 / 0.75	50
MCSKV-M20x1.5 / 16 / 3x2	83582854	Black	M20x1,5	M20/P16	3.0 x 0.08	2.05	0.35	1.06 / 1.06	50
MCSKV-M20x1.5 / 16 / 6x3	83582856	Black	M20x1,5	M20/P16	6.0 x 0.12	2.05	0.35	1.06 / 1.06	50
MCSKV-M20x1.5 / 16 / 3x4	83582858	Black	M20x1,5	M20/P16	3.0 x 0.16	2.05	0.35	1.06 / 1.06	50
MCSKV-M20x1.5 / 16 / 2x5	83582860	Black	M20x1,5	M20/P16	2.0 x 0.2	2.05	0.35	1.06 / 1.06	50
MCSKV-M25x1.5 / 21 / 4x2	83582862	Black	M25x1,5	M25/P21	4.0 x 0.08	2.36	0.43	1.3 / 1.3	50
MCSKV-M25x1.5 / 21 / 3x7	83582864	Black	M25x1,5	M25/P21	3.0 x 0.28	2.36	0.43	1.3 / 1.3	50
MCSKV-M25x1.5 / 21 / 2x8	83582866	Black	M25x1,5	M25/P21	2.0 x 0.31	2.36	0.43	1.3 / 1.3	50
MCSKV-M32x1.5 / 29 / 6x6.5	83582868	Black	M32x1,5	M32/P29	6.0 x 0.26	2.72	0.43	1.65 / 1.65	25
MCSKV-M32x1.5 / 29 / 4x9	83582870	Black	M32x1,5	M32/P29	4.0 x 0.35	2.72	0.43	1.65 / 1.65	25
Pg threads									
MCSKV-Pg 09 4x1,4	83582250	Black	Pg 09	M12/P09	4.0 x 0.06	1.77	0.31	0.75 / 0.75	50
MCSKV-Pg 09 4x3	83582252	Black	Pg 09	M12/P09	4.0 x 0.12	1.77	0.31	0.75 / 0.75	50
MCSKV-Pg 11 2x3	83582254	Black	Pg 11	M16/P11	2.0 x 0.12	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 11 2x4	83582256	Black	Pg 11	M16/P11	2.0 x 0.16	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 11 3x3	83582258	Black	Pg 11	M16/P11	3.0 x 0.12	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 13.5 2x5	83582260	Black	Pg 13.5	NW13	2.0 x 0.2	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 3x2	83582262	Black	Pg 13.5	NW13	3.0 x 0.08	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 3x4	83582264	Black	Pg 13.5	NW13	3.0 x 0.16	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 6x3	83582266	Black	Pg 13.5	NW13	6.0 x 0.12	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 16 2x6	83582268	Black	Pg 16	M20/P16	2.0 x 0.24	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 3x3	83582270	Black	Pg 16	M20/P16	3.0 x 0.12	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 3x4	83582272	Black	Pg 16	M20/P16	3.0 x 0.16	2.05	0.39	1.06 / 1.06	50

Type MCSKV (conduit and cable fitting) (Continued...)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	Number x Ø inch	EH inch	GL inch	SW 1 / 3 inch	Pack qty.
MCSKV-Pg 16 3x6	83582274	Black	Pg 16	M20/P16	3.0 x 0.24	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 4x4	83582276	Black	Pg 16	M20/P16	4.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 5x4	83582278	Black	Pg 16	M20/P16	5.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 6x4	83582280	Black	Pg 16	M20/P16	6.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 21 2x8	83582282	Black	Pg 21	M25/P21	2.0 x 0.31	2.36	0.43	1.3 / 1.3	50
MCSKV-Pg 21 3x7	83582284	Black	Pg 21	M25/P21	3.0 x 0.28	2.36	0.43	1.3 / 1.3	50
MCSKV-Pg 21 4x6	83582286	Black	Pg 21	M25/P21	4.0 x 0.24	2.36	0.43	1.3 / 1.3	50
MCSKV-Pg 09 4x1,4	83582210	Gray	Pg 09	M12/P09	4.0 x 0.06	1.77	0.31	0.75 / 0.75	50
MCSKV-Pg 09 4x3	83582212	Gray	Pg 09	M12/P09	4.0 x 0.12	1.77	0.31	0.75 / 0.75	50
MCSKV-Pg 11 2x3	83582214	Gray	Pg 11	M16/P11	2.0 x 0.12	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 11 2x4	83582216	Gray	Pg 11	M16/P11	2.0 x 0.16	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 11 3x3	83582218	Gray	Pg 11	M16/P11	3.0 x 0.12	1.93	0.31	0.87 / 0.87	50
MCSKV-Pg 13.5 2x5	83582220	Gray	Pg 13.5	NW13	2.0 x 0.2	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 3x2	83582222	Gray	Pg 13.5	NW13	3.0 x 0.08	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 3x4	83582224	Gray	Pg 13.5	NW13	3.0 x 0.16	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 13.5 6x3	83582226	Gray	Pg 13.5	NW13	6.0 x 0.12	2.05	0.35	0.94 / 1.06	50
MCSKV-Pg 16 2x6	83582228	Gray	Pg 16	M20/P16	2.0 x 0.24	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 3x3	83582230	Gray	Pg 16	M20/P16	3.0 x 0.12	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 3x4	83582232	Gray	Pg 16	M20/P16	3.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 3x6	83582234	Gray	Pg 16	M20/P16	3.0 x 0.24	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 4x4	83582236	Gray	Pg 16	M20/P16	4.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 5x4	83582238	Gray	Pg 16	M20/P16	5.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 16 6x4	83582240	Gray	Pg 16	M20/P16	6.0 x 0.16	2.05	0.39	1.06 / 1.06	50
MCSKV-Pg 21 2x8	83582242	Gray	Pg 21	M25/P21	2.0 x 0.31	2.36	0.43	1.3 / 1.3	50
MCSKV-Pg 21 3x7	83582244	Gray	Pg 21	M25/P21	3.0 x 0.28	2.36	0.43	1.3 / 1.3	50
MCSKV-Pg 21 4x6	83582246	Gray	Pg 21	M25/P21	4.0 x 0.24	2.36	0.43	1.3 / 1.3	50

Type KW 90° (conduit fitting)



PRODUCT INFORMATION

The angled KW 90° conduit fittings with plastic threading are made from specially modified polyamide. The materials are halogen, phosphor and cadmium-free. The KW 90° conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Tightness of IP 65 for static and dynamic application

- Integrated clamping ring ensures high tear-out strength
- Easy insertion of the cables through rounded inside bend

Specification:

- UL listed E 148958
- EN 45545-2 3x HL3

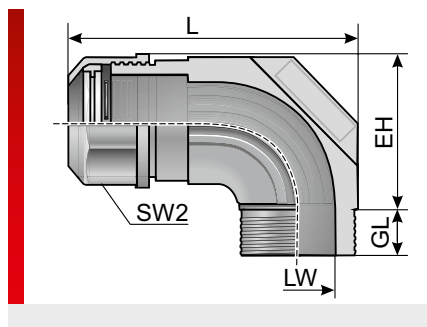
SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Clamping ring: Polyoxymethylene (POM)
	Acc. to UL94 V0 self-extinguishing
	IP 65



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	L inch	GL inch	LW inch	SW 2 inch	Pack qty.
Metric thread										
KW-M16x1.5/9 ¹⁾	83565050	Black	M16x1,5	M12/P09	1.06	1.85	0.30	0.37	0.87	50
KW-M20x1.5/11 ¹⁾	83565052	Black	M20x1,5	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-M25x1.5/16 ¹⁾	83565054	Black	M25x1,5	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-M32x1.5/21 ¹⁾	83565056	Black	M32x1,5	M25/P21(S)	1.61	2.64	0.47	0.87	1.50	25
KW-M40x1.5/29 ¹⁾	83565058	Black	M40x1,5	M32/P29(S)	2.09	3.23	0.47	1.10	1.81	25
KW-M16x1.5/9 ¹⁾	83565010	Gray	M16x1,5	M12/P09	1.06	1.85	0.30	0.37	0.87	50
KW-M20x1.5/11 ¹⁾	83565012	Gray	M20x1,5	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-M25x1.5/16 ¹⁾	83565014	Gray	M25x1,5	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-M32x1.5/21 ¹⁾	83565016	Gray	M32x1,5	M25/P21(S)	1.61	2.64	0.47	0.87	1.50	25
KW-M40x1.5/29 ¹⁾	83565018	Gray	M40x1,5	M32/P29(S)	2.09	3.23	0.47	1.10	1.81	25
Pg threads										
KW-Pg 09 ¹⁾	83561050	Black	Pg 09	M12/P09	1.06	1.77	0.30	0.37	0.87	50
KW-Pg 11 ¹⁾	83561052	Black	Pg 11	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-Pg 13/16 ¹⁾	83561054	Black	Pg 13.5	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-Pg 16 ¹⁾	83561056	Black	Pg 16	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-Pg 21 ¹⁾	83561058	Black	Pg 21	M25/P21(S)	1.61	2.64	0.43	0.87	1.50	25
KW-Pg 29 ¹⁾	83561060	Black	Pg 29	M32/P29(S)	2.09	3.23	0.47	1.14	1.81	25
KW-Pg 09 ¹⁾	83561010	Gray	Pg 09	M12/P09	1.06	1.77	0.30	0.37	0.87	50
KW-Pg 11 ¹⁾	83561012	Gray	Pg 11	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-Pg 13/16 ¹⁾	83561014	Gray	Pg 13.5	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-Pg 16 ¹⁾	83561016	Gray	Pg 16	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-Pg 21 ¹⁾	83561018	Gray	Pg 21	M25/P21(S)	1.61	2.64	0.43	0.87	1.50	25

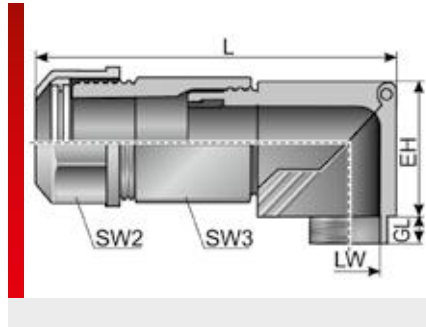
Type KW 90° (conduit fitting) (Continued...)



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	L inch	GL inch	LW inch	SW 2 inch	Pack qty.
KW-Pg 29 ¹⁾	83561020	Gray	Pg 29	M32/P29(S)	2.09	3.23	0.47	1.14	1.81	25
NPT thread										
KW-3/8"/11 ¹⁾	83561451	Black	3/8"	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-1/2"/16 ¹⁾	83561450	Black	1/2"	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-3/4"/21 ¹⁾	83561452	Black	3/4"	M25/P21(S)	1.61	2.64	0.43	0.83	1.50	25
KW-1"/29 ¹⁾	83561454	Black	1"	M32/P29(S)	2.09	3.23	0.47	1.06	1.81	25
KW-3/8"/11 ¹⁾	83561411	Gray	3/8"	M16/P11	1.14	2.01	0.31	0.51	0.94	50
KW-1/2"/16 ¹⁾	83561410	Gray	1/2"	M20/P16(S)	1.38	2.20	0.39	0.63	1.18	50
KW-3/4"/21 ¹⁾	83561412	Gray	3/4"	M25/P21(S)	1.61	2.64	0.43	0.83	1.50	25
KW-1"/29 ¹⁾	83561414	Gray	1"	M32/P29(S)	2.09	3.23	0.47	1.06	1.81	25

¹⁾ With cURus- approval

Type CKW (conduit and cable fitting)



PRODUCT INFORMATION

The angled and folding CKW 90° combined conduit and cable fittings with plastic threading are made from specially modified polyamide and Perbunan. The materials are halogen, phosphor and cadmium-free. The CKW 90° conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Optimum strain relief for the cable due to iris-shaped lamellae

- Tightness of IP 65 for static and dynamic application
- Integrated clamping ring ensures high tear-out strength
- Folding angle piece makes cable assembly easy

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Molded seal: Perbunan (NBR)
	Acc. to UL94 V0 self-extinguishing
	IP 65



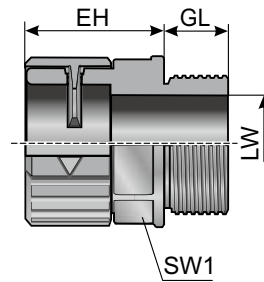
Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	Clamping range (LW) inch	SW 2 / 3 inch	Pack qty.
Metric thread									
CKW-M16x1.5/9	83584250	Black	M16x1,5	M12/P09	0.91	0.31	0.16 – 0.31	0.87 / 0.87	50
CKW-M20x1.5/16	83584256	Black	M20x1,5	M20/P16	1.26	0.35	0.24 – 0.47	1.06 / 1.06	50
CKW-M25x1.5/21	83584258	Black	M25x1,5	M25/P21	1.57	0.47	0.51 – 0.71	1.3 / 1.3	10
CKW-M32x1.5/29 ¹⁾	83584260	Black	M32x1,5	M32/P29	1.97	0.47	0.71 – 0.98	1.65 / 1.65	25
Pg threads									
CKW-Pg 09	83581050	Black	Pg 09	M12/P09	0.91	0.31	0.16 – 0.31	0.75 / 0.75	50
CKW-Pg 11	83581052	Black	Pg 11	M16/P11	1.10	0.31	0.2 – 0.39	0.87 / 0.87	50
CKW-Pg 16	83581054	Black	Pg 16	M20/P16	1.46	0.43	0.39 – 0.55	1.06 / 1.06	50
CKW-Pg 21	83581056	Black	Pg 21	M25/P21	1.54	0.43	0.51 – 0.71	1.3 / 1.3	25
CKW-Pg 29 ¹⁾	83581058	Black	Pg 29	M32/P29	1.97	0.43	0.71 – 0.98	1.65 / 1.65	25

¹⁾ With cURus- approval



m-fix conduit fitting

Type MSV (plug-in fitting)



PRODUCT INFORMATION

The MSV conduit fittings are made of specially modified polyamide 6. The materials are halogen, phosphor and cadmium-free. The affordable MSV conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Cost reduction through simple assembly work, insert conduit and done

- Simple opening mechanism
- Tightness of IP 54 for static and dynamic application, IP 65 with additional mounting of an O-ring

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 54 IP 65 with sealing ring DR-NBR

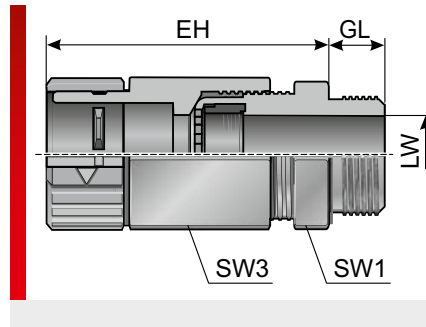


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 inch	Pack qty.
Metric thread									
MSV-M12x1.5/7	83602450	Black	M12x1,5	M10/P07	0.75	0.51	0.31	0.63	50
MSV-M12x1.5/9	83602452	Black	M12x1,5	M12/P09	0.75	0.51	0.31	0.71	50
MSV-M12x1.5/11	83602456	Black	M12x1,5	M16/P11	0.91	0.51	0.31	0.83	50
MSV-M16x1.5/9	83602454	Black	M16x1,5	M12/P09	0.75	0.51	0.47	0.71	50
MSV-M16x1.5/11	83602458	Black	M16x1,5	M16/P11	0.91	0.51	0.47	0.83	50
MSV-M20x1.5/11	83602459	Black	M20x1,5	M16/P11	0.91	0.55	0.53	0.83	50
MSV-M20x1.5/16	83602460	Black	M20x1,5	M20/P16(S)	1.06	0.55	0.59	1.06	50
MSV-M25x1.5/16	83602461	Black	M25x1,5	M20/P16(S)	1.02	0.55	0.75	1.06	50
MSV-M25x1.5/21	83602462	Black	M25x1,5	M25/P21(S)	1.26	0.55	0.83	1.42	50
MSV-M32x1.5/21	83602463	Black	M32x1,5	M25/P21(S)	1.26	0.55	1.02	1.42	50
MSV-M32x1.5/29	83602464	Black	M32x1,5	M32/P29(S)	1.34	0.55	1.06	1.57	25
MSV-M40x1.5/29	83602465	Black	M40x1,5	M32/P29(S)	1.34	0.55	1.26	1.57	25
MSV-M40x1.5/36	83602466	Black	M40x1,5	M40/P36(S)	1.50	0.63	1.34	1.93	10
MSV-M50x1.5/36	83602467	Black	M50x1,5	M40/P36(S)	1.48	0.63	1.57	1.93	10
MSV-M50x1.5/48	83602468	Black	M50x1,5	M50/P48(S)	1.54	0.63	1.73	2.36	10
MSV-M63x1.5/48	83602469	Black	M63x1,5	M50/P48(S)	1.52	0.63	2.05	2.36	10
MSV-M12x1.5/7	83602410	Gray	M12x1,5	M10/P07	0.75	0.51	0.31	0.63	50
MSV-M12x1.5/9	83602412	Gray	M12x1,5	M12/P09	0.75	0.51	0.31	0.71	50
MSV-M12x1.5/11	83602416	Gray	M12x1,5	M16/P11	0.91	0.51	0.31	0.83	50
MSV-M16x1.5/9	83602414	Gray	M16x1,5	M12/P09	0.75	0.51	0.47	0.71	50
MSV-M16x1.5/11	83602418	Gray	M16x1,5	M16/P11	0.91	0.51	0.47	0.83	50
MSV-M20x1.5/11	83602419	Gray	M20x1,5	M16/P11	0.91	0.55	0.53	0.83	50
MSV-M20x1.5/16	83602420	Gray	M20x1,5	M20/P16(S)	1.06	0.55	0.59	1.06	50
MSV-M25x1.5/16	83602421	Gray	M25x1,5	M20/P16(S)	1.02	0.55	0.75	1.06	50

Type MSV (plug-in fitting) (Continued...)

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	SW 1 inch	Pack qty.
MSV-M25x1.5/21	83602422	Gray	M25x1,5	M25/P21(S)	1.26	0.55	0.83	1.42	50
MSV-M32x1.5/21	83602423	Gray	M32x1,5	M25/P21(S)	1.26	0.55	1.02	1.42	50
MSV-M32x1.5/29	83602424	Gray	M32x1,5	M32/P29(S)	1.34	0.55	1.06	1.57	25
MSV-M40x1.5/29	83602425	Gray	M40x1,5	M32/P29(S)	1.34	0.55	1.26	1.57	25
MSV-M40x1.5/36	83602426	Gray	M40x1,5	M40/P36(S)	1.50	0.63	1.34	1.93	10
MSV-M50x1.5/36	83602427	Gray	M50x1,5	M40/P36(S)	1.48	0.63	1.57	1.93	10
MSV-M50x1.5/48	83602428	Gray	M50x1,5	M50/P48(S)	1.54	0.63	1.73	2.36	10
MSV-M63x1.5/48	83602429	Gray	M63x1,5	M50/P48(S)	1.52	0.63	2.05	2.36	10
Pg plastic threading									
MSV-Pg 07	83601050	Black	Pg 07	M10/P07	0.75	0.35	0.31	0.63	50
MSV-Pg 09	83601052	Black	Pg 09	M12/P09	0.75	0.39	0.38	0.71	50
MSV-Pg 11	83601054	Black	Pg 11	M16/P11	0.91	0.39	0.54	0.83	50
MSV-Pg 13.5/11	83601055	Black	Pg 13.5	M16/P11	0.91	0.51	0.47	0.83	50
MSV-Pg 13.5/16	83601056	Black	Pg 13.5	M20/P16(S)	1.06	0.51	0.61	1.06	50
MSV-Pg 16/09	83601057	Black	Pg 16	M12/P09	0.75	0.51	1.06	1.06	50
MSV-Pg 16	83601058	Black	Pg 16	M20/P16(S)	1.06	0.51	0.67	1.06	50
MSV-Pg 21/16	83601059	Black	Pg 21	M20/P16	1.02	0.55	1.42	1.42	50
MSV-Pg 21	83601060	Black	Pg 21	M25/P21(S)	1.26	0.55	0.91	1.42	50
MSV-Pg 29	83601062	Black	Pg 29	M32/P29(S)	1.38	0.55	1.10	1.57	25
MSV-Pg 36	83601064	Black	Pg 36	M40/P36(S)	1.50	0.59	1.57	1.93	10
MSV-Pg 48	83601066	Black	Pg 48	M50/P48(S)	1.54	0.67	1.85	2.36	10
MSV-Pg 07	83601010	Gray	Pg 07	M10/P07	0.75	0.35	0.31	0.63	50
MSV-Pg 09	83601012	Gray	Pg 09	M12/P09	0.75	0.39	0.38	0.71	50
MSV-Pg 11	83601014	Gray	Pg 11	M16/P11	0.91	0.39	0.54	0.83	50
MSV-Pg 13.5/11	83601015	Gray	Pg 13.5	M16/P11	0.91	0.51	0.47	0.83	50
MSV-Pg 13.5/16	83601016	Gray	Pg 13.5	M20/P16(S)	1.06	0.51	0.61	1.06	50
MSV-Pg 16/09	83601017	Gray	Pg 16	M12/P09	0.75	0.51	1.06	1.06	50
MSV-Pg 16	83601018	Gray	Pg 16	M20/P16(S)	1.06	0.51	0.67	1.06	50
MSV-Pg 21/16	83601019	Gray	Pg 21	M20/P16	1.02	0.55	1.42	1.42	50
MSV-Pg 21	83601020	Gray	Pg 21	M25/P21(S)	1.26	0.55	0.91	1.42	50
MSV-Pg 29	83601022	Gray	Pg 29	M32/P29(S)	1.38	0.55	1.10	1.57	25
MSV-Pg 36	83601024	Gray	Pg 36	M40/P36(S)	1.50	0.59	1.57	1.93	10
MSV-Pg 48	83601026	Gray	Pg 48	M50/P48(S)	1.54	0.67	1.85	2.36	10
NPT plastic threading									
MSV NPT 3/8"/11	83602650	Black	3/8"	M16/P11(S)	1.26	0.31	0.47	0.83	50
MSV-NPT 1/2"/16	83602652	Black	1/2"	M20/P16(S)	1.06	0.55	0.59	1.06	50
MSV-NPT 3/4"/21	83602654	Black	3/4"	M25/P21(S)	1.26	0.55	0.81	1.42	50
MSV-NPT 1"/29	83602656	Black	1"	M32/P29(S)	1.38	0.63	1.04	1.57	25
MSV NPT 3/8"/11	83602610	Gray	3/8"	M16/P11(S)	1.26	0.31	0.47	0.83	50
MSV-NPT 1/2"/16	83602612	Gray	1/2"	M20/P16(S)	1.06	0.55	0.59	1.06	50
MSV-NPT 3/4"/21	83602614	Gray	3/4"	M25/P21(S)	1.26	0.55	0.81	1.42	50
MSV-NPT 1"/29	83602616	Gray	1"	M32/P29(S)	1.38	0.63	1.04	1.57	25

Type KSV (conduit and cable fitting)



PRODUCT INFORMATION

The KSV combined conduit and cable fittings are made of specially modified polyamide 6. The materials are halogen, phosphor and cadmium-free.

The KSV combined conduit and cable fittings feature the following advantages:

- Optimum strain relief for the cable
- Cost reduction through simplification of assembly of conduit, insert conduit and done

- No parts can get lost, as the fitting does not have to be dismantled for assembly
- Tightness of IP 54 for static and dynamic application, IP 65 with additional mounting of an O-ring

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

-  -40 – 230 °F short term 284 °F
-  Fitting: Mod. polyamide PA 6
Molded seal: NBR
-  Acc. to UL94 V0 self-extinguishing
-  IP 54
IP 65 with sealing ring DR-NBR

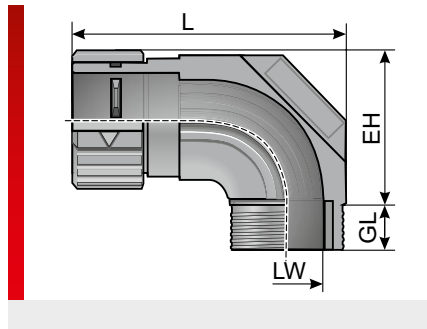


Type	Order No.	Color	Connecting thread	Suitable for Murrflex	Clamping range (LW) inch	SW 1 / 3 inch	Pack qty.
Metric thread							
KSV-M16x1.5/9	83611450	Black	M16x1,5	M12/P09	0.16 – 0.31	0.75	50
KSV-M16x1.5/11	83611452	Black	M16x1,5	M16/P11	0.2 – 0.39	0.87	50
KSV-M20x1.5/16	83611456	Black	M20x1,5	M20/P16(S)	0.39 – 0.55	0.94 / 1.06	50
KSV-M25x1.5/21	83611458	Black	M25x1,5	M25/P21(S)	0.51 – 0.71	1.3	50
KSV-M32x1.5/29	83611460	Black	M32x1,5	M32/P29(S)	0.71 – 0.98	1.65	25
KSV-M16x1.5/9	83611410	Gray	M16x1,5	M12/P09	0.16 – 0.31	0.75	50
KSV-M16x1.5/11	83611412	Gray	M16x1,5	M16/P11	0.2 – 0.39	0.87	50
KSV-M20x1.5/16	83611416	Gray	M20x1,5	M20/P16(S)	0.39 – 0.55	0.94 / 1.06	50
KSV-M25x1.5/21	83611418	Gray	M25x1,5	M25/P21(S)	0.51 – 0.71	1.3	50
KSV-M32x1.5/29	83611420	Gray	M32x1,5	M32/P29(S)	0.71 – 0.98	1.65	25
Pg plastic threading							
KSV-Pg 09	83611250	Black	Pg 09	M12/P09	0.16 – 0.31	0.75	50
KSV-Pg 11	83611252	Black	Pg 11	M16/P11	0.2 – 0.39	0.87	50
KSV PG 13/11	83611253	Black	Pg 13	M16/P11	0.24 – 0.47	1.06 / 0.94	50
KSV-Pg 13.5/16 ¹⁾	83611254	Black	Pg 13.5	M20/P16(S)	0.24 – 0.47	0.94 / 1.06	50
KSV-Pg 16	83611256	Black	Pg 16	M20/P16(S)	0.39 – 0.55	1.06	50
KSV-Pg 16/21	83611257	Black	Pg 16	M25/P21	0.51 – 0.71	1.3	50
KSV-Pg 21	83611258	Black	Pg 21	M25/P21(S)	0.51 – 0.71	1.3	50
KSV-Pg 29	83611260	Black	Pg 29	M32/P29(S)	0.71 – 0.98	1.65	25
Pg threads							
KSV-Pg 09	83611210	Gray	Pg 09	M12/P09	0.16 – 0.31	0.75	50
KSV-Pg 11	83611212	Gray	Pg 11	M16/P11	0.2 – 0.39	0.87	50

Type	Order No.	Color	Connecting thread	Suitable for Murrflex	Clamping range (LW) inch	SW 1 / 3 inch	Pack qty.
KSV PG 13/11	83611213	Gray	Pg 13	M16/P11	0.24 – 0.47	1.06 / 0.94	50
KSV-Pg 13.5/16 ¹⁾	83611214	Gray	Pg 13.5	M20/P16(S)	0.24 – 0.47	0.94 / 1.06	50
KSV-Pg 16	83611216	Gray	Pg 16	M20/P16(S)	0.39 – 0.55	1.06	50
KSV-Pg 16/21	83611217	Gray	Pg 16	M25/P21	0.51 – 0.71	1.3	50
KSV-Pg 21	83611218	Gray	Pg 21	M25/P21(S)	0.51 – 0.71	1.3	50
KSV-Pg 29	83611220	Gray	Pg 29	M32/P29(S)	0.71 – 0.98	1.65	25
NPT plastic threading							
KSV 3/8"/9	83613250	Black	3/8"	M12/P09	0.16 – 0.31	0.75	50
KSV 1/2"/16	83613256	Black	1/2"	M20/P16	0.39 – 0.55	1.06	50
KSV 3/4"/21	83613258	Black	3/4"	M25/P21(S)	0.51 – 0.71	1.3	25
KSV 1"-/29	83613260	Black	1"	M32/P29	0.71 – 0.98	1.65	25
KSV 3/8"/9	83613210	Gray	3/8"	M12/P09	0.16 – 0.31	0.75	50
KSV 1/2"/16	83613216	Gray	1/2"	M20/P16(S)	0.39 – 0.55	1.06	50
KSV 3/4"/21	83613218	Gray	3/4"	M25/P21(S)	0.51 – 0.71	1.3	25
KSV 1"-/29	83613220	Gray	1"	M32/P29(S)	0.71 – 0.98	1.65	25

1) Part to be phased out!

Type WSV 90° (angle plug-in fitting)



PRODUCT INFORMATION

The WSV conduit fittings are made of specially modified polyamide 6. The materials are halogen, phosphor and cadmium-free. The affordable MSV conduit fittings feature the following advantages:

- No parts can get lost, delivered completely assembled
- Cost reduction through simple assembly work, insert conduit and done

- Simple opening mechanism
- Tightness of IP 54 for static and dynamic application, IP 65 with additional mounting of an O-ring

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 54 IP 65 with sealing ring DR-NBR



Type	Order No.	Color	Connecting thread	Suitable for Murrflex	EH inch	GL inch	LW inch	Pack qty.
Metric thread								
WSV-M16x1.5/9	83605050	Black	M16x1,5	M12/P09	1.02	0.30	0.39	50
WSV-M20x1.5/11	83605052	Black	M20x1,5	M16/P11	1.14	0.31	0.47	50
WSV-M25x1.5/16	83605054	Black	M25x1,5	M20/P16(S)	1.26	0.39	0.63	50
WSV-M32x1.5/21	83605056	Black	M32x1,5	M25/P21(S)	1.54	0.43	0.87	25
WSV-M40x1.5/29	83605058	Black	M40x1,5	M32/P29(S)	2.01	0.47	1.10	25
WSV-M50x1.5/36	83605060	Black	M50x1,5	M40/P36(S)	2.76	0.59	1.38	10
WSV-M63x1.5/48	83605062	Black	M63x1,5	M50/P48(S)	3.78	0.59	1.93	10
Gray								
WSV-M16x1.5/9	83605010	Gray	M16x1,5	M12/P09	1.02	0.30	0.39	50
WSV-M20x1.5/11	83605012	Gray	M20x1,5	M16/P11	1.14	0.31	0.47	50
WSV-M25x1.5/16	83605014	Gray	M25x1,5	M20/P16(S)	1.26	0.39	0.63	50
WSV-M32x1.5/21	83605016	Gray	M32x1,5	M25/P21(S)	1.54	0.43	0.87	25
WSV-M40x1.5/29	83605018	Gray	M40x1,5	M32/P29(S)	2.01	0.47	1.10	25
WSV-M50x1.5/36	83605020	Gray	M50x1,5	M40/P36(S)	2.76	0.59	1.38	10
WSV-M63x1.5/48	83605022	Gray	M63x1,5	M50/P48(S)	3.78	0.59	1.93	10
Pg threads								
WSV-Pg 09	83601450	Black	Pg 09	M12/P09	1.12	0.31	0.51	50
WSV-Pg 11	83601452	Black	Pg 11	M16/P11	1.12	0.31	0.51	50
WSV-Pg 13.5/16	83601454	Black	Pg 13.5	M20/P16(S)	1.26	0.39	0.63	50
WSV-Pg 16	83601456	Black	Pg 16	M20/P16(S)	1.26	0.39	0.63	50
WSV-Pg 21	83601458	Black	Pg 21	M25/P21(S)	1.52	0.45	0.87	25
WSV-Pg 29	83601460	Black	Pg 29	M32/P29(S)	1.99	0.47	1.10	25
WSV-Pg 36	83601462	Black	Pg 36	M40/P36(S)	2.76	0.61	1.38	10
WSV-Pg 48	83601464	Black	Pg 48	M50/P48(S)	3.78	0.63	1.93	10

[illegible]

The sealing ring DR-NBR enables the protection rating on conduit fittings MSV, KSV and WSV to be increased from IP 54 to IP 65. To do so, simply insert the sealing ring into the first recess at the end of the cable protection conduit.

To guarantee reliable installation, the clamping ring should be unlocked before the

SPECIFICATIONS

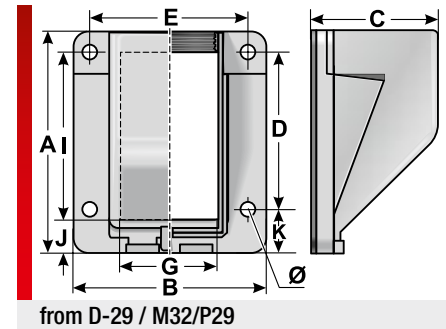
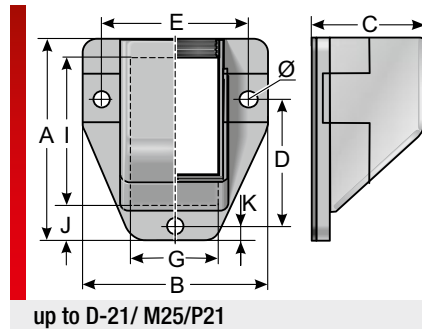
The image shows two icons. The top icon is a thermometer inside a square frame, with the text "-13 – 248 °F" to its right. The bottom icon is a molecular structure inside a square frame, with the text "Perbunan (NBR)" to its right. Below these icons are two black rectangular boxes: the left one contains the text "RoHS" in white, and the right one contains the text "HF" in white.

[illegible]



Conduit connection bulkhead fitting

Typ KFW



PRODUCT INFORMATION

The KFW bulkhead fittings are made of specially modified polyamide 6. The material is self-extinguishing, and halogen, phosphor and cadmium-free. Bulkhead fittings are available with a metric or Pg thread. The KFW bulkhead fittings with thread are used with both cable and conduit fittings. The KFW bulkhead fittings feature the following advantages:

- System divided in two for very quick and easy installation of cables
- Subsequent installation of cables is simplified by removable upper part
- Gasket included in delivery

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS

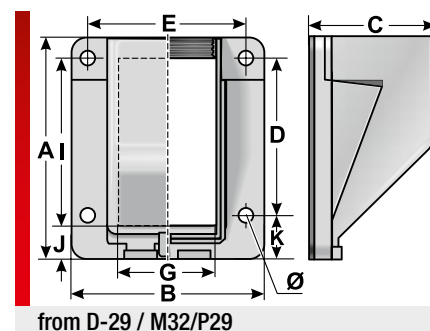
	-40 – 230 °F short term 284 °F
	Fitting: Mod. polyamide PA 6 Molded seal: Neoprene (CR)
	Acc. to UL94 V0 self-extinguishing
	IP 65



Type	Order No.	Color	Internal thread	A inch	B inch	C inch	D inch	E inch	G inch	I inch	J inch	K inch	Ø inch	Pack qty.
Metric thread														
KFW-M16x1,5	83562450	Black	M16x1,5	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-M20x1,5	83562452	Black	M20x1,5	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-M25x1,5	83562454	Black	M25x1,5	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10
KFW-M32x1,5	83562456	Black	M32x1,5	3.54	3.07	2.17	2.54	2.54	1.57	2.68	0.35	0.63	0.26	10
KFW-M40x1,5	83562458	Black	M40x1,5	3.90	3.70	2.60	3.13	3.13	1.91	2.93	0.37	0.39	0.26	10
KFW-M50x1,5	83562460	Black	M50x1,5	4.57	3.98	2.99	3.44	3.44	2.70	3.52	0.37	0.63	0.26	10
KFW-M16x1,5	83562410	Gray	M16x1,5	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-M20x1,5	83562412	Gray	M20x1,5	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-M25x1,5	83562414	Gray	M25x1,5	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10
KFW-M32x1,5	83562416	Gray	M32x1,5	3.54	3.07	2.17	2.54	2.54	1.57	2.68	0.35	0.63	0.26	10
KFW-M40x1,5	83562418	Gray	M40x1,5	3.90	3.70	2.60	3.13	3.13	1.91	2.93	0.37	0.39	0.26	10
KFW-M50x1,5	83562420	Gray	M50x1,5	4.57	3.98	2.99	3.44	3.44	2.70	3.52	0.37	0.63	0.26	10
Pg threads														
KFW-11	83561650	Black	Pg 11	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-16	83561652	Black	Pg 16	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-21	83561654	Black	Pg 21	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10
KFW-29	83561656	Black	Pg 29	3.54	3.07	2.17	2.54	2.54	1.57	2.68	0.35	0.63	0.26	10
KFW-36	83561658	Black	Pg 36	3.90	3.70	2.60	3.13	3.13	1.91	2.93	0.37	0.39	0.26	10
KFW-48	83561660	Black	Pg 48	4.57	3.98	2.99	3.44	3.44	2.70	3.52	0.37	0.63	0.26	10
KFW-11	83561610	Gray	Pg 11	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-16	83561612	Gray	Pg 16	1.93	1.85	1.38	1.14	1.46	0.89	1.06	0.43	0.18	0.17	10
KFW-21	83561614	Gray	Pg 21	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10

[illegible]

A black, 3D-printed mechanical part, likely a bracket or support structure, shown against a white background. The part has a complex, multi-faceted design with several flat surfaces, sharp edges, and a central rectangular cutout. It appears to be a single piece of plastic or metal, possibly a custom-made component for a machine or assembly.



- System divided in two for very quick and easy installation of cables
- Subsequent installation of cables is simplified by the removable upper part
- Gasket included in delivery
- No extra fittings are required

Specification:

- EN 45545-2 3x HL3

 -40 – 230 °F short term 284 °F

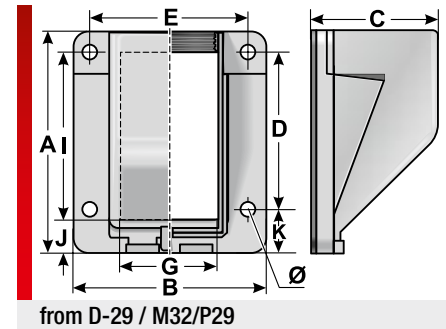
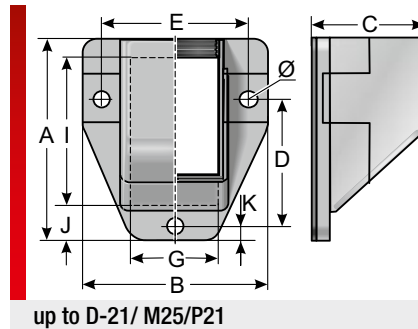
 Fitting: Mod. polyamide PA 6
 Molded seal: Neoprene (CR)

 Acc. to UL94 V0 self-extinguishing

 IP 54

664 Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com

Type KFW/X



PRODUCT INFORMATION

The KFW bulkhead fittings are made of specially modified polyamide 6. The material is self-extinguishing, and halogen, phosphor and cadmium-free.

With the KFW/D and KFW/X bulkhead fittings, the cable protection conduits EW with standard corrugation and EWX with high corrugation can be directly mounted. The KFW bulkhead fittings feature the following advantages:

- System divided in two for very quick and easy installation of cables
- Subsequent installation of cables is simplified by removable upper part
- Gasket included in delivery
- No extra fittings are required

Specification:

- EN 45545-2 3x HL3

SPECIFICATIONS



-40 – 230 °F short term 284 °F



Fitting: Mod. polyamide PA 6
Molded seal: Neoprene (CR)



Acc. to UL94 V0 self-extinguishing



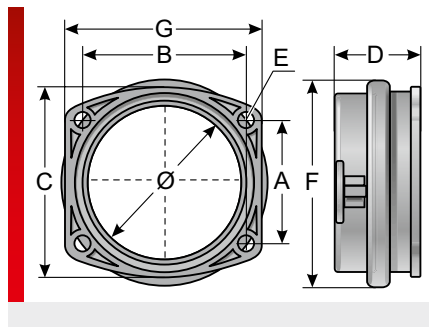
IP 54



Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	D inch	E inch	G inch	I inch	J inch	K inch	Ø inch	Pack qty.
For cable protection conduits with high corrugation, type EWX-xx														
KFW/X M25/P21	83562654	Black	M25/P21	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10
KFW/X M32/P29	83562656	Black	M32/P29	3.54	3.07	2.17	2.54	2.54	1.57	2.68	0.35	0.63	0.26	10
KFW/X M40/P36	83562658	Black	M40/P36	3.90	3.70	2.60	3.13	3.13	1.91	2.93	0.37	0.39	0.26	10
KFW/X M50/P48	83562660	Black	M50/P48	4.57	3.98	2.99	3.44	3.44	2.70	3.52	0.37	0.63	0.26	10
KFW/X M25/P21	83562614	Gray	M25/P21	2.72	2.56	1.73	1.63	2.03	1.18	1.67	0.59	0.24	0.24	10
KFW/X M32/P29	83562616	Gray	M32/P29	3.54	3.07	2.17	2.54	2.54	1.57	2.68	0.35	0.63	0.26	10
KFW/X M40/P36	83562618	Gray	M40/P36	3.90	3.70	2.60	3.13	3.13	1.91	2.93	0.37	0.39	0.26	10
KFW/X M50/P48	83562620	Gray	M50/P48	4.57	3.98	2.99	3.44	3.44	2.70	3.52	0.37	0.63	0.26	10



m-jumbo conduit connection



Type	Order No.	Color	A inch	B inch	C inch	D inch	E inch	F inch	G inch	Ø inch	Pack qty.
SA 56	83681020	Black	2.36	2.60	3.35	1.97	0.26	3.70	3.39	2.36	1
SA 70	83681014	Black	2.36	3.15	3.70	2.05	0.30	4.17	3.78	2.76	1
SA 95	83681016	Black	2.91	4.25	4.96	2.05	0.30	5.20	4.96	3.74	1
SA 56	83681008	Gray	2.36	2.60	3.35	1.97	0.26	3.70	3.39	2.36	1
SA 70	83681010	Gray	2.36	3.15	3.70	2.05	0.30	4.17	3.78	2.76	1
SA 95	83681012	Gray	2.91	4.25	4.96	2.05	0.30	5.20	4.96	3.74	1

Technical drawing of a 90° elbow fitting. The drawing includes a perspective view on the left and two orthographic views (front and side) on the right. Dimensions are labeled as follows:

- A**: Height of the fitting from the base to the center of the pipe.
- B**: Width of the fitting from the base to the center of the pipe.
- C**: Total width of the fitting.
- D**: Total height of the fitting.
- E**: Thickness of the fitting wall.
- F**: Height of the fitting from the base to the center of the pipe (same as A).
- G**: Thickness of the fitting wall (same as E).

- Dimensionally stable connection ring ensures high tear-out strength
- Safety clips ensure protection against connection ring opening by itself
- O-ring for fastening flange included in delivery

-  -40 – 230 °F short term 284 °F
-  UL listed material
Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing
-  IP 52
IP 65 with sealing ring DS



Type	Order No.	Color	A inch	B inch	C inch	D inch	E inch	F inch	G inch	Ø inch	Pack qty.
KFW-56	83681220	Black	2.36	2.60	3.35	4.69	0.26	3.90	3.74	2.36	1
KFW-70	83681213	Black	2.36	3.15	3.78	4.33	0.28	5.39	3.70	3.03	1
KFW-95	83681214	Black	2.91	4.25	5	5.67	0.28	6.57	5.04	4.37	1
KFW 56	83681208	Gray	2.36	2.60	3.35	4.69	0.26	3.90	3.74	2.36	1
KFW-70	83681210	Gray	2.36	3.15	3.78	4.33	0.28	5.39	3.70	3.03	1
KFW-95	83681212	Gray	2.91	4.25	5	5.67	0.28	6.57	5.04	4.37	1

The DS seal can be used for the SA-Jumbo flange connection and for the KFW-Jumbo 90° flange connection to achieve a tightness of IP 65.

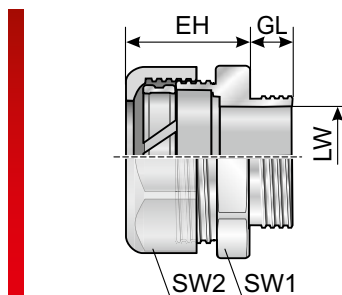
	-40 – 230 °F short term 284 °F
	NBR
	Acc. to UL94 V0 self-extinguishing

[illegible]



Special fitting / connection

Type EH-EMV



PRODUCT INFORMATION

The EH-EMV metal fitting can be used together with the EMC cable protection conduit EW-PAP. The EH-EMV fitting is used to discharge sheath currents on the cable protection conduit safely and reliably.

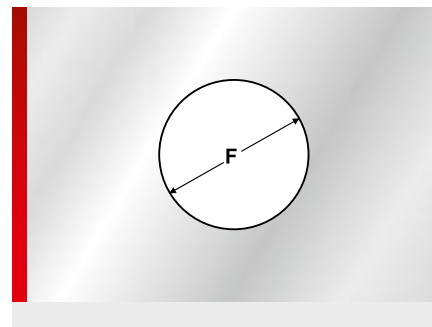
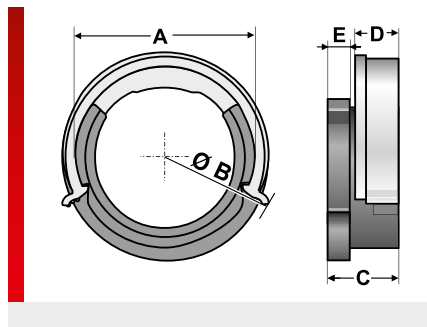
SPECIFICATIONS

	-40 – 284 °F short term 320 °F
	Nickel-plated brass
	IP 40
	RoHS

Type	Order No.	Color	Connecting thread	Suitable for Murrflex EW	LW inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric metal thread / EMC version									
EH-EMV M12x1.5	83521050	Silver	M12x1,5	M12/P09	0.31	0.67	0.22	0.87	10
EH-EMV M16x1.5	83521052	Silver	M16x1,5	M16/P11	0.41	0.69	0.23	1.06	10
EH-EMV M20x1.5	83521054	Silver	M20x1,5	M20/P16	0.57	0.75	0.28	1.22	10
EH-EMV M25x1.5	83521056	Silver	M25x1,5	M25/P21	0.73	0.87	0.28	1.57	10
EH-EMV M32x1.5	83521058	Silver	M32x1,5	M32/P29	1.02	0.94	0.28	1.89	10
EH-EMV M40x1.5	83521060	Silver	M40x1,5	M40/P36	1.30	1.06	0.43	2.36	2
EH-EMV M50x1.5 ¹⁾	83521062	Silver	M50x1,5	M50/P48	1.61	1.22	0.45	3.07	2
Pg metric metal thread / EMC version									
EH-EMV Pg 09	83521010	Silver	Pg 09	M12/P09	0.47	0.67	0.24	0.87	10
EH-EMV Pg 11	83521012	Silver	Pg 11	M16/P11	0.61	0.71	0.24	1.06	10
EH-EMV Pg 16	83521014	Silver	Pg 16	M20/P16	0.73	0.79	0.28	1.22	10
EH-EMV Pg 21	83521016	Silver	Pg 21	M25/P21	0.94	0.91	0.28	1.57	10
EH-EMV Pg 29	83521018	Silver	Pg 29	M32/P29	1.30	1.02	0.28	1.89	10
EH-EMV Pg 36	83521020	Silver	Pg 36	M40/P36	1.69	1.18	0.30	2.24	2
EH-EMV Pg 48	83521022	Silver	Pg 48	M50/P48	2.13	1.26	0.43	3.07	2

¹⁾ Min. order quantity 100 pcs

Type AT



PRODUCT INFORMATION

The AT connector is a holder for split and closed conduits in the EW and EWT series. It is made of specially modified polyamide 6. The material is self-extinguishing, and halogen, phosphor and cadmium-free.

The AT connectors feature the following advantages:

- Click system for quick, easy and tool-free assembly and disassembly
- Compact design
- Conduits can still be rotated
- Suitable for split and closed conduits

SPECIFICATIONS

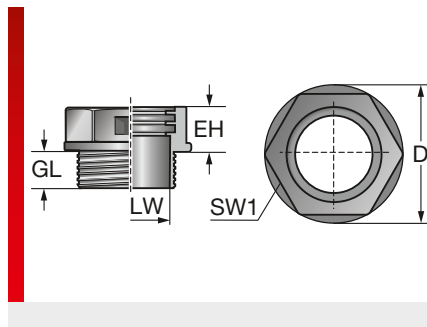
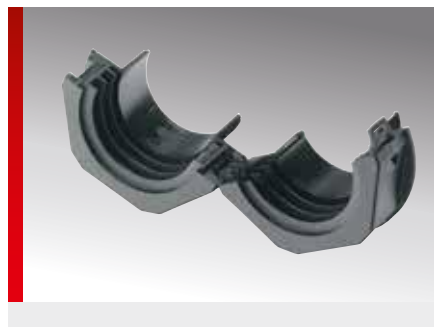
	-40 – 230 °F short term 284 °F
	UL listed material Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 42



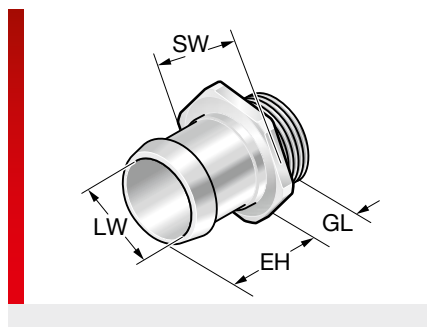
Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	D inch	E inch	F inch	Pack qty.
AT M20/P09	83651050	Black	M12/P09	0.80	1.38	0.63	0.37	0.20	0.81	50
AT M25/P11	83651052	Black	M16/P11	0.99	1.59	0.63	0.37	0.20	1	50
AT M32/P16	83651054	Black	M20/P16	1.27	1.89	0.68	0.41	0.21	1.28	50
AT M40/P21	83651056	Black	M25/P21	1.58	2.28	0.70	0.39	0.25	1.59	50
AT M50/P29	83651058	Black	M32/P29	1.98	2.68	0.70	0.39	0.25	1.99	25
AT M50/P36	83651060	Black	M40/P36	1.98	2.68	0.85	0.47	0.31	1.99	10
AT M63/P48	83651062	Black	M50/P48	2.49	3.23	0.98	0.60	0.31	2.50	10
AT M20/P09	83651010	Gray	M12/P09	0.80	1.38	0.63	0.37	0.20	0.81	50
AT M25/P11	83651012	Gray	M16/P11	0.99	1.59	0.63	0.37	0.20	1	50
AT M32/P16	83651014	Gray	M20/P16	1.27	1.89	0.68	0.41	0.21	1.28	50
AT M40/P21	83651016	Gray	M25/P21	1.58	2.28	0.70	0.39	0.25	1.59	50
AT M50/P29	83651018	Gray	M32/P29	1.98	2.68	0.70	0.39	0.25	1.99	25
AT M50/P36	83651020	Gray	M40/P36	1.98	2.68	0.85	0.47	0.31	1.99	10
AT M63/P48	83651022	Gray	M50/P48	2.49	3.23	0.98	0.60	0.31	2.50	10

 -40 – 230 °F short term 284 °F
 UL listed material
 Mod. polyamide PA 6
 Acc. to UL94 V0 self-extinguishing
 IP 50

674 Courtesy of Steven Engineering, Inc - (800) 258-9200 - sales@steveneng.com - www.stevenengineering.com



Type EVK-PG



PRODUCT INFORMATION

The EVK-PG is a metal connecting piece with which the EVK conduit is fitted on and fixed using an SS or SSG conduit clamp. The connecting pieces have a Pg thread.

The right connection for Murrplastik EVK cable protection conduit.

SPECIFICATIONS

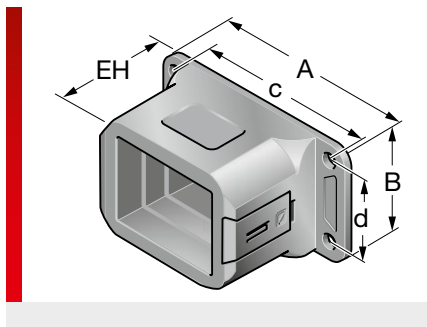


Nickel-plated brass

Type	Order No.	Connecting thread	LW inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
EVK PG 07/E	83723014	Pg 07	0.33	0.81	0.28	0.59	50
EVK PG 07	83723010	Pg 07	0.28	0.71	0.28	0.67	50
EVK PG 09/07	83723012	Pg 09	0.28	0.71	0.28	0.75	50
EVK PG 09/E	83723016	Pg 09	0.43	0.83	0.28	0.75	50
EVK PG 09	83723018	Pg 09	0.43	0.83	0.28	0.75	50
EVK PG 11/E	83723022	Pg 11	0.55	0.87	0.28	0.87	50
EVK PG 11	83723024	Pg 11	0.55	0.87	0.28	0.87	50
EVK PG 13.5 ¹⁾	83723028	Pg 13.5	0.63	1.02	0.31	0.94	100
EVK PG 13/E	83723026	Pg 13.5	0.63	1.02	0.31	0.94	50
EVK PG 16	83723030	Pg 16	0.67	1.10	0.31	1.06	50
EVK PG 21/E	83723032	Pg 21	0.79	1.08	0.35	1.18	50
EVK PG 21	83723034	Pg 21	0.91	1.30	0.31	1.26	50
EVK PG 29/E	83723038	Pg 29	1.06	1.27	0.37	1.57	50
EVK PG 29	83723040	Pg 29	1.22	1.31	0.31	1.61	50
EVK PG 36	83723046	Pg 36	1.54	1.98	0.39	2.17	25
EVK PG 42/36	83723048	Pg 42	1.81	1.91	0.47	2.52	25
EVK PG 42	83723050	Pg 42	1.73	2.09	0.47	2.36	25
EVK PG 48	83723054	Pg 48	2.01	2.20	0.47	2.56	25

¹⁾No stock goods, delivery time and minimum order quantities upon request

Type FL-EF



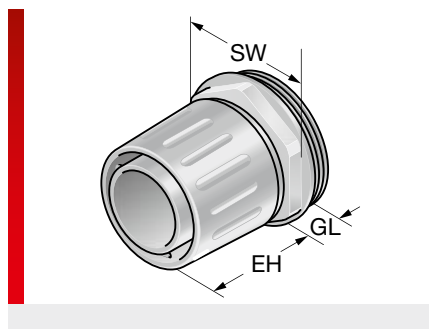
PRODUCT INFORMATION

The FL-EF flange connection is made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The connection can be used only for the rectangular conduit Type EF and features the following unique advantages:

- Flat construction
- Split
- Quick and easy assembly with a sliding lock

SPECIFICATIONS

 -22 – 230 °F short term 392 °F
 Mod. polyamide PA 6
 Acc. to UL94 HB
 IP 42



The ELD/K fitting is characterized by its quick and easy assembly without the use of any special tools and can be used for EL, ELS and EVK cable protection conduits.

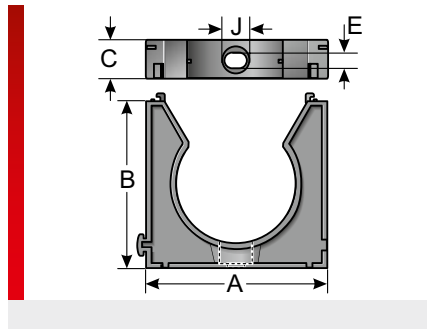
	14 – 230 °F
	Polypropylene (PP)
	IP 54

[illegible]



Cable protection conduit holder

Type HS (conduit holder)



PRODUCT INFORMATION

The HS conduit holder is made of specially modified polyamide. The material is halogen, phosphor and cadmium-free. The HS holders are used as a conduit holder system that can be arranged in rows and stacks and can be adapted to different installation situations with optional accessories.

The holder features the following advantages:

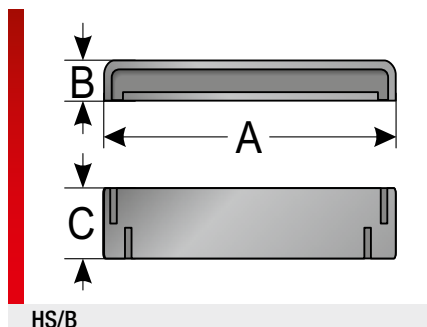
- Flexible system
- Stackable
- Arrangeable in rows

SPECIFICATIONS

-  -40 – 230 °F short term 284 °F
-  Mod. polyamide PA 6
UL listed material
-  Acc. to UL94 V0 self-extinguishing



Type	Order No.	Color	A inch	B inch	C inch	E inch	J inch	Pack qty.
Conduit holder suitable for Murrflex EW and EWX								
HS/U 07	83631052	Black	0.85	0.83	0.55	0.18	0.31	100
HS/U 09	83631054	Black	0.85	0.83	0.55	0.18	0.31	100
HS/U 11	83631056	Black	1.10	1.14	0.55	0.22	0.39	100
HS/U 16	83631060	Black	1.10	1.14	0.55	0.22	0.39	100
HS/U 21	83631062	Black	1.69	1.67	0.55	0.22	0.39	50
HS/U 29	83631064	Black	1.69	1.67	0.55	0.22	0.39	50
HS/U 36	83631066	Black	2.50	2.26	0.55	0.22	0.39	50
HS/U 48	83631068	Black	2.50	2.46	0.55	0.22	0.39	50
HS/U 07	83631012	Gray	0.85	0.83	0.55	0.18	0.31	100
HS/U 09	83631014	Gray	0.85	0.83	0.55	0.18	0.31	100
HS/U 11	83631016	Gray	1.10	1.14	0.55	0.22	0.39	100
HS/U 16	83631020	Gray	1.10	1.14	0.55	0.22	0.39	100
HS/U 21	83631022	Gray	1.69	1.67	0.55	0.22	0.39	50
HS/U 29	83631024	Gray	1.69	1.67	0.55	0.22	0.39	50
HS/U 36	83631026	Gray	2.50	2.26	0.55	0.22	0.39	50
HS/U 48	83631028	Gray	2.50	2.46	0.55	0.22	0.39	50



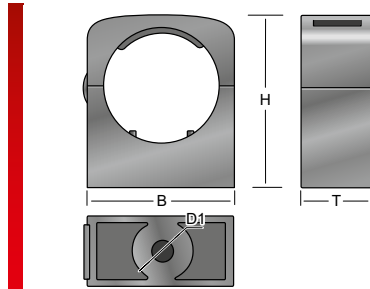
The accessories for the HS holder are made of specially modified polyamide. The material is halogen, phosphor and cadmium-free. The variant HS/B is the bracket used for the HS/U holder for higher tear-out forces.

- Flexible system
- Stackable
- Arrangeable in rows

-  -40 – 230 °F short term 284 °F
-  UL listed material
Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing

[illegible]

Type UHE



PRODUCT INFORMATION

The UHE holder is a one-piece corrugated conduit holder, featuring a cover attached to the holder with an integral hinge. It is manufactured from a specially modified Polyamide. The material is halogen, phosphor and cadmium-free. The holder is used to fix cable protection conduits to equipment and machinery.

The UHE holder features the following advantages:

- Quick assembly thanks to single-hole fixing

- Protective conduits only need to be snapped on, which makes them excellent for overhead installations.
- Optimum connection of conduit to holder thanks to double webs of holder
- Optimized axial strain relief of the corrugated conduit achieved with integrated double webs
- Highest degree of retention power.
- Suitable for all Murrflex corrugated conduit profiles.

Specification:

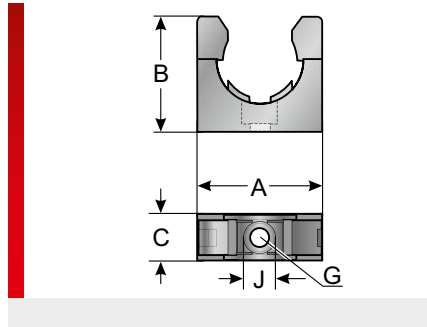
- EN 45545-2 3x HL3

SPECIFICATIONS

	UL listed material Mod. polyamide PA 6
	-40 – 230 °F Short periods 284 °F
	Acc. to UL94 V0 self-extinguishing
	
	
	
	

Type	Order no.	Color	A inch	B inch	C inch	J inch	Pack qty.
UHE P07	83621850	Black	0.67	0.85	0.59	0.30	100
UHE P09	83621852	Black	0.81	0.96	0.59	0.35	100
UHE P11	83621854	Black	0.94	1.06	0.59	0.35	100
UHE P16	83621856	Black	1.18	1.30	0.59	0.39	100
UHE P21	83621858	Black	1.52	1.65	0.59	0.39	100
UHE P29	83621860	Black	1.79	1.89	0.59	0.39	50
UHE P36	83621862	Black	2.19	2.20	0.59	0.39	50
UHE P48	83621864	Black	2.66	2.68	0.59	0.39	50
UHE P07	83621810	Gray	0.67	0.85	0.59	0.30	100
UHE P09	83621812	Gray	0.81	0.96	0.59	0.35	100
UHE P11	83621814	Gray	0.94	1.06	0.59	0.35	100
UHE P16	83621816	Gray	1.18	1.30	0.59	0.39	100
UHE P21	83621818	Gray	1.52	1.65	0.59	0.39	100
UHE P29	83621820	Gray	1.79	1.89	0.59	0.39	50
UHE P36	83621822	Gray	2.19	2.20	0.59	0.39	50
UHE P48	83621824	Gray	2.66	2.68	0.59	0.39	50

Type UH



PRODUCT INFORMATION

The UH holder is made of specially modified polyamide. The material is halogen, phosphor and cadmium-free. The holder is used to fix cable protection conduits to equipment and machinery.

The UH holder features the following advantages:

- Quick assembly thanks to single-hole fixing
- Protective conduit is simply snapped in
- Optimum connection of conduit to holder thanks to double webs of holder
- Optional BL bracket for applications with high stresses

Specification:

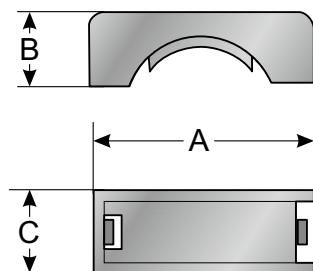
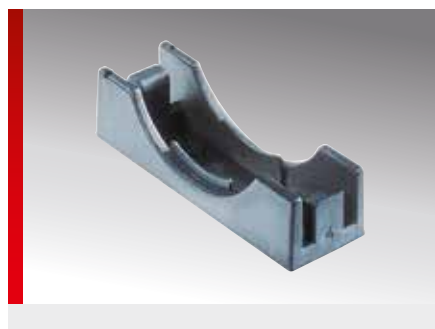
- EN 45545-2 3x HL3

SPECIFICATIONS

-  -40 – 230 °F short term 284 °F
-  UL listed material
Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing



Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	G inch	J inch	Pack qty.
Suitable for Murrflex EW and EWX									
UH 07	83621210	Black	M10/P07	1.14	0.91	0.43	0.18	0.30	100
UH 09/M4	83621212	Black	M12/P09	1.18	0.91	0.49	0.18	0.33	100
UH 09/M5	83621213	Black	M12/P09	1.18	0.91	0.49	0.22	0.33	100
UH 11/M4	83621214	Black	M16/P11	1.18	0.91	0.49	0.18	0.33	100
UH 11/M5	83621215	Black	M16/P11	1.18	0.91	0.49	0.22	0.33	100
UH 16/M5	83621216	Black	M20/P16(S)	1.38	1.18	0.59	0.22	0.41	100
UH 16/M6	83621217	Black	M20/P16(S)	1.38	1.18	0.59	0.25	0.41	100
UH 21	83621218	Black	M25/P21(S)	1.65	1.50	0.63	0.26	0.43	100
UH 29	83621220	Black	M32/P29(S)	2.01	1.69	0.63	0.26	0.45	50
UH 36	83621222	Black	M40/P36(S)	2.40	2.01	0.71	0.26	0.53	50
UH 48	83621224	Black	M50/P48(S)	2.91	2.52	0.75	0.26	0.53	50
UH 07	83621110	Gray	M10/P07	1.14	0.91	0.43	0.18	0.30	100
UH 09/M4	83621112	Gray	M12/P09	1.18	0.91	0.49	0.18	0.33	100
UH 09/M5	83621113	Gray	M12/P09	1.18	0.91	0.49	0.22	0.33	100
UH 11/M4	83621114	Gray	M16/P11	1.18	0.91	0.49	0.18	0.33	100
UH 11/M5	83621115	Gray	M16/P11	1.18	0.91	0.49	0.22	0.33	100
UH 16/M5	83621116	Gray	M20/P16(S)	1.38	1.18	0.59	0.22	0.41	100
UH 16/M6	83621117	Gray	M20/P16(S)	1.38	1.18	0.59	0.25	0.41	100
UH 21	83621118	Gray	M25/P21(S)	1.65	1.50	0.63	0.26	0.43	100
UH 29	83621120	Gray	M32/P29(S)	2.01	1.69	0.63	0.26	0.45	50
UH 36	83621122	Gray	M40/P36(S)	2.40	2.01	0.71	0.26	0.53	50
UH 48	83621124	Gray	M50/P48(S)	2.91	2.52	0.75	0.26	0.53	50



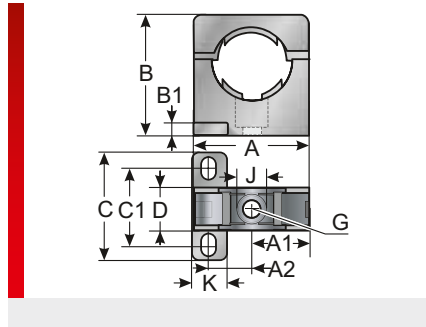
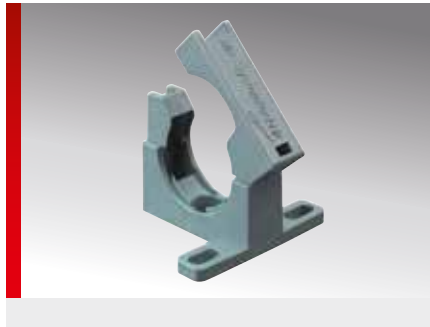
The BL clamping bracket can be used for types UH and UHG and is made from specially modified polyamide. The material is halogen, phosphor and cadmium-free. The bracket can be used to achieve additional support of the conduit clamp for high loads.

- EN 45545-2 3x HL3

 -40 – 230 °F short term 284 °F
 UL listed material
 Mod. polyamide PA 6
 Acc. to UL94 V0 self-extinguishing

Type	Order No.	Color	Suited for holder	A inch	B inch	C inch	Pack qty.
BL 09	83621406	Black	UH 09 / UHG 09	1.14	0.39	0.49	100
BL 11	83621408	Black	UH 11 / UHG 11	1.14	0.43	0.49	100
BL 16	83621410	Black	UH 16 / UHG 16	1.34	0.47	0.59	100
BL 21	83621412	Black	UH 21 / UHG 21	1.61	0.51	0.61	100
BL 29	83621414	Black	UH 29 / UHG 26	1.97	0.55	0.63	50
BL 36	83621416	Black	UH 36 / UHG 36	2.36	0.67	0.71	50
BL 48	83621418	Black	UH 48 / UHG 48	2.83	0.75	0.73	50
BL 09	83621146	Gray	UH 09 / UHG 09	1.14	0.39	0.49	100
BL 11	83621148	Gray	UH 11 / UHG 11	1.14	0.43	0.49	100
BL 16	83621150	Gray	UH 16 / UHG 16	1.34	0.47	0.59	100
BL 21	83621152	Gray	UH 21 / UHG 21	1.61	0.51	0.61	100
BL 29	83621154	Gray	UH 29 / UHG 26	1.97	0.55	0.63	50
BL 36	83621156	Gray	UH 36 / UHG 36	2.36	0.67	0.71	50
BL 48	83621158	Gray	UH 48 / UHG 48	2.83	0.75	0.73	50

Typ UHF



PRODUCT INFORMATION

The UHF holder is made of specially modified polyamide. The material is halogen, phosphor and cadmium-free. The holder is used as a quick and easy connection between control cabinet and door.

The UHF holder features the following advantages:

- Various fastening possibilities

- Protective conduits can still be rotated in the holder
- Pre-assembly of lower part possible
- High tensile strength thanks to double webs
- Bracket is included in delivery

Specification:

- EN 45545-2:2016 3x HL3

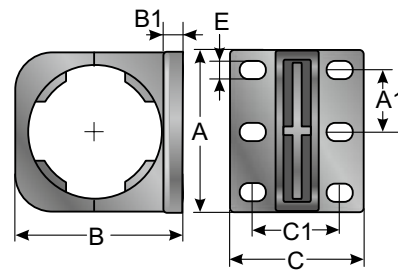
SPECIFICATIONS

-  -40 – 230 °F short term 284 °F
-  UL listed material
Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing



Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	D inch	G inch	J inch	K inch	B1 inch	A1 inch	A2 inch	C1 inch	Pack qty.
Suitable for Murrflex EW and EWX															
UHF 16	83621610	Gray	M20/P16(S)	1.38	1.38	1.50	0.59	0.22	0.37	0.47	0.20	0.69	0.44	1.06	100
UHF 21	83621612	Gray	M25/P21(S)	1.65	1.65	1.50	0.63	0.26	0.45	0.47	0.20	0.83	0.58	1.06	100
UHF 29	83621614	Gray	M32/P29(S)	2.01	1.89	2.36	0.63	0.26	0.45	0.47	0.20	1	0.76	1.73	50
UHF 36	83621616	Gray	M40/P36(S)	2.40	2.17	2.36	0.75	0.26	0.45	0.51	0.24	1.20	0.96	1.87	50
UHF 48	83621618	Gray	M50/P48(S)	2.91	2.68	2.36	0.75	0.26	0.45	0.51	0.31	1.46	1.18	1.87	50
Suitable for Murrflex EWS/F RAL 7035															
UHF 16	83621611	RAL 7035	M20/P16(S)	1.38	1.38	1.50	0.59	0.22	0.37	0.47	0.20	0.69	0.44	1.06	10
UHF 21	83621613	RAL 7035	M25/P21(S)	1.65	1.65	1.50	0.63	0.26	0.45	0.47	0.20	0.83	0.58	1.06	10
UHF 29	83621615	RAL 7035	M32/P29(S)	2.01	1.89	2.36	0.63	0.26	0.45	0.47	0.20	1	0.76	1.73	10
UHF 36	83621617	RAL 7035	M40/P36(S)	2.40	2.17	2.36	0.75	0.26	0.45	0.51	0.24	1.20	0.96	1.87	10
UHF 48	83621619	RAL 7035	M50/P48(S)	2.91	2.68	2.36	0.75	0.26	0.45	0.51	0.31	1.46	1.18	1.87	10

Type USH



USH 11 / USH 16 / USH 21

PRODUCT INFORMATION

The USH holder consists of an upper and a lower part made of specially modified polycarbonate. The material is halogen, phosphor and cadmium-free. The holder is used as a quick and easy connection between control cabinet and door.

The USH holder features the following advantages:

- Various fastening possibilities
- Protective conduits can still be rotated in the holder
- Pre-assembly of lower part possible

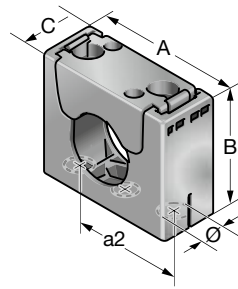
SPECIFICATIONS

	-22 – 212 °F
	Polycarbonate
	Acc. to UL94 V2 self-extinguishing



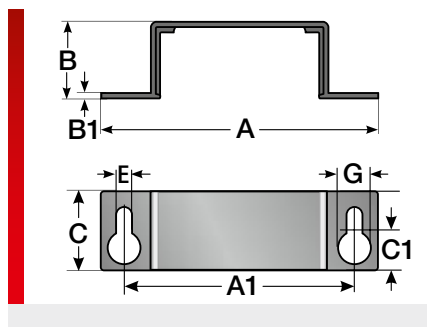
Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	E inch	A1 inch	B1 inch	C1 inch	Pack qty.
Suitable for Murrflex EW and EWX											
USH 11	83641019	Black	M16/P11	1.50	1.56	1.50	0.22	0.51	0.20	0.90	50
USH 16	83641020	Black	M20/P16(S)	1.50	1.55	1.50	0.22	0.51	0.20	0.90	50
USH 21	83641022	Black	M25/P21(S)	1.50	1.55	1.50	0.22	0.51	0.20	0.90	50
USH 29	83641024	Black	M32/P29(S)	1.82	1.88	1.50	0.21	0.69	0.19	1.01	50
USH 36	83641026	Black	M40/P36(S)	2.06	2.33	2.38	0.22	0.79	0.24	1.89	50
USH 48	83641028	Black	M50/P48(S)	3.00	3.04	2.35	0.22	1.09	0.32	1.85	50
USH 11	83641009	Gray	M16/P11	1.50	1.56	1.50	0.22	0.51	0.20	0.90	50
USH 16	83641010	Gray	M20/P16(S)	1.50	1.55	1.50	0.22	0.51	0.20	0.90	50
USH 21	83641012	Gray	M25/P21(S)	1.50	1.55	1.50	0.22	0.51	0.20	0.90	50
USH 29	83641014	Gray	M32/P29(S)	1.82	1.88	1.50	0.21	0.69	0.19	1.01	50
USH 36	83641016	Gray	M40/P36(S)	2.06	2.33	2.38	0.22	0.79	0.24	1.89	50
USH 48	83641018	Gray	M50/P48(S)	3.00	3.04	2.35	0.22	1.09	0.32	1.85	50

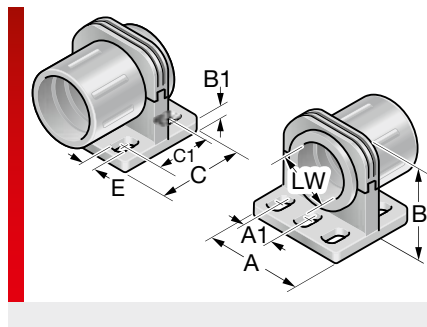
UH-S M20/P16 – UH-S M63/P56



RoHS HF EU Made in Germany

Type	Order No.	Color	Suitable for Murrflex	A inch	B inch	C inch	a2 inch	Ø inch	Pack qty.
UH-S M10/P07	83641444	Black	M10/P07	1.38	1.02	0.57	0.79	0.22	15
UH-S M12/P09	83641446	Black	M12/P09	1.38	1.02	0.59	0.79	0.22	15
UH-S M16/P11	83641448	Black	M16/P11(S)	1.69	1.02	0.65	1.02	0.27	15
UH-S M20/P16	83641450	Black	M20/P16(S)	2.76	2.05	1.18	1.77	0.33	15
UH-S M25/P21	83641452	Black	M25/P21(S)	2.76	2.05	1.18	1.77	0.33	15
UH-S M32/P29	83641454	Black	M32/P29(S)	3.35	2.60	1.18	2.36	0.33	10
UH-S M40/P36	83641456	Black	M40/P36	3.35	2.60	1.18	2.36	0.33	10
UH-S M50/P48	83641458	Black	M50/P48	4.53	3.39	1.18	3.54	0.33	5
UH-S M63/P56	83641460	Black	NW56	4.53	3.39	1.18	3.54	0.33	5

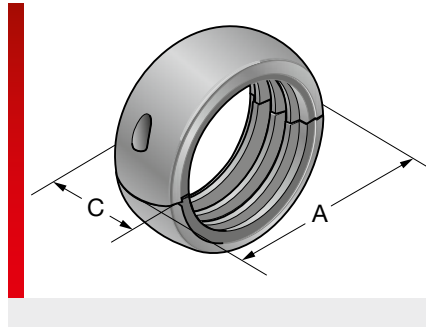






Protectors / conduit couplings / conduit distributors

Type PR/SV



PRODUCT INFORMATION

The PR/SV protectors are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The protectors are used for impact protection and connecting cable protection conduits and also protect against wear. The PR/SV protectors feature the following advantages:

- Flat construction
- Simple assembly with a sliding lock and optional lock screw assembly
- High tear-out strength

SPECIFICATIONS

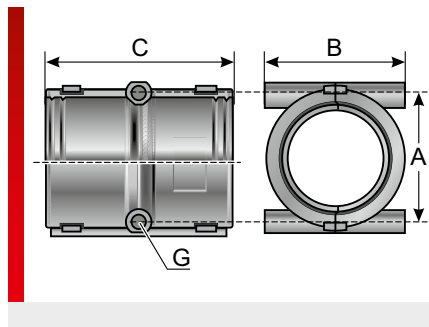
-  -40 – 230 °F short term 284 °F
-  UL listed material
Mod. polyamide PA 6
-  Acc. to UL94 V0 self-extinguishing



Type	Order No.	Color	Suitable for Murrflex	Suitable for Murrflex EWX	A inch	C inch	Pack qty.
Standard design for cable protection conduits with standard corrugation, type EW-xx / type EWT-xx							
PR/SV-EW 21	83691058	Black	M25/P21		2.03	2.02	10
PR/SV-EW 29	83691060	Black	M32/P29		2.28	2.01	10
PR/SV-EW 36	83691062	Black	M40/P36		2.60	2.03	10
PR/SV-EW 48	83691064	Black	M50/P48		3.07	1.95	10
PR/SV-EW 56	83691065	Black	NW56		3.57	2.01	5
PR/SV-EW 21	83691018	Gray	M25/P21		2.03	2.02	10
PR/SV-EW 29	83691020	Gray	M32/P29		2.28	2.01	10
PR/SV-EW 36	83691022	Gray	M40/P36		2.60	2.03	10
PR/SV-EW 48	83691024	Gray	M50/P48		3.07	1.95	10
PR/SV-EW 56	83691025	Gray	NW56		3.57	2.01	5
Standard design for cable protection conduits with high corrugation, type EWX-xx							
PR/SV-EWX 21	83691258	Black	M25/P21		2.03	2.04	10
PR/SV-EWX 29	83691260	Black	M32/P29		2.28	2.01	10
PR/SV-EWX 36	83691262	Black	M40/P36		2.60	2.03	10
PR/SV-EWX 48	83691264	Black	M50/P48		3.07	1.95	10
PR/SV-EWX 56	83691265	Black	NW56		3.57	2.01	5
PR/SV-EWX 21	83691218	Gray	M25/P21		2.03	2.04	10
PR/SV-EWX 29	83691220	Gray	M32/P29		2.28	2.01	10
PR/SV-EWX 36	83691222	Gray	M40/P36		2.60	2.03	10
PR/SV-EWX 48	83691224	Gray	M50/P48		3.07	1.95	10
PR/SV-EWX 56	83691225	Gray	NW56		3.57	2.01	5

Type PR/SV (Continued...)

[illegible]



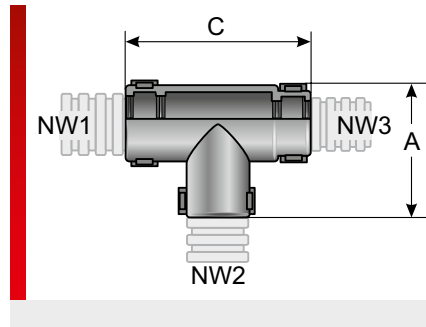
The SVG conduit couplings are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The conduit couplings are used as an extension or for the repair of cable protection conduits and feature the following advantages:

- Easy assembly by latching
- Split version makes routing of cables easy
- Can also be screwed on

 -40 – 230 °F short term 284 °F
 Mod. polyamide PA 6
 Acc. to UL94 V0 self-extinguishing
 IP 42
IP 54 bolted

[illegible]

Type VT



PRODUCT INFORMATION

The VT conduit distributors are made of specially modified polyamide 6. They are used for coupling Murrplastik cable protection conduits of the same and different diameters. The distributors feature the following advantages:

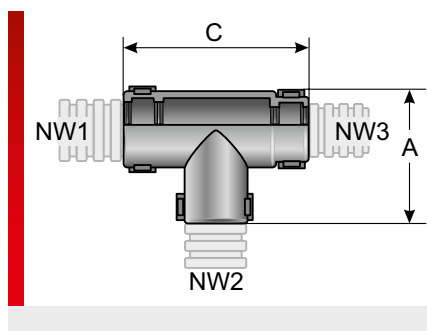
- Easy assembly by latching
- Split version makes routing of cables easy
- Distributor envelops the conduit, which means that the entire inside diameter of the conduit is available

SPECIFICATIONS

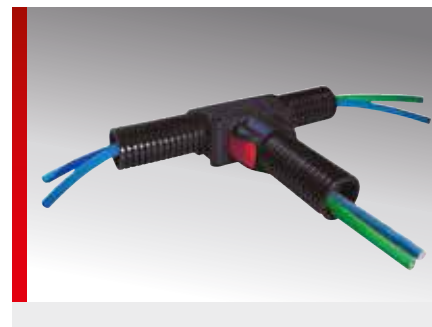
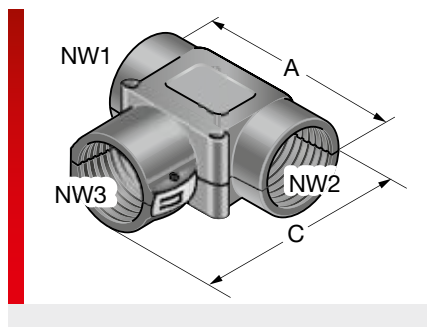
	-40 – 230 °F short term 284 °F
	Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 42



Type	Order No.	Color	for Murrflex with NW1 / NW2 / NW3	A inch	C inch	Pack qty.
Conduit distributor suitable for Murrflex EW and EWX						
VT 080808	83702410	Black	06 / 06 / 06	1.22	1.78	10
VT 120808	83702412	Black	09 / 06 / 06	1.22	1.78	10
VT 120812	83702414	Black	09 / 06 / 09	1.22	1.78	10
VT 121208	83702416	Black	09 / 09 / 06	1.22	1.78	10
VT 121212	83702418	Black	09 / 09 / 09	1.22	1.78	10
VT 160816	83702420	Black	11 / 06 / 11	1.37	1.93	10
VT 161212	83702422	Black	11 / 09 / 09	1.37	1.93	10
VT 161216	83702424	Black	11 / 09 / 11	1.37	1.93	10
VT 161612	83702426	Black	11 / 11 / 09	1.37	1.93	10
VT 161616	83702428	Black	11 / 11 / 11	1.37	1.93	10
VT 200820	83702430	Black	16 / 06 / 16	1.61	2.22	10
VT 201216	83702432	Black	16 / 09 / 11	1.61	2.22	10
VT 201220	83702434	Black	16 / 09 / 16	1.61	2.22	10
VT 201616	83702436	Black	16 / 11 / 11	1.61	2.22	10
VT 201620	83702438	Black	16 / 11 / 16	1.61	2.22	10
VT 202016	83702440	Black	16 / 16 / 11	1.61	2.22	10
VT 202020	83702441	Black	16 / 16 / 16	1.61	2.22	10
VT 281220	83702442	Black	21 / 09 / 16	1.91	2.54	10
VT 281620	83702444	Black	21 / 11 / 16	1.91	2.54	10
VT 282020	83702446	Black	21 / 16 / 16	1.91	2.54	10
VT 281228	83702448	Black	21 / 09 / 21	1.91	2.54	10
VT 281628	83702450	Black	21 / 11 / 21	1.91	2.54	10
VT 282028	83702452	Black	21 / 16 / 21	1.91	2.54	10
VT 282828	83702454	Black	21 / 21 / 21	1.91	2.54	10
VT 321632	83702456	Black	29 / 11 / 29	2.18	2.83	10

[illegible]

Type VT-V



PRODUCT INFORMATION

The T distributors are made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free.

The T distributors are ideal for quick and easy coupling of Murrplastik cable protection conduits. With their split design, simple routing of cables is guaranteed.

The VT-V conduit distributors feature the following advantages:

- Flat construction
- Divisible
- Half-shells can be screwed together or fastened to the control cabinet individually
- Simple assembly with a sliding lock and optional lock screw assembly
- Low cost connector for cable protection conduits
- High tear-out strength

SPECIFICATIONS


 -40 – 230 °F short term 284 °F

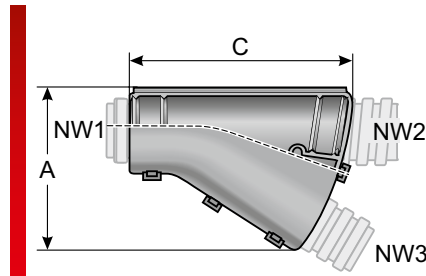
 Mod. polyamide PA 6

 Acc. to UL94 V0 self-extinguishing

 IP 42

[illegible]

Type SVY



PRODUCT INFORMATION

The SVY conduit distributors are made of specially modified polyamide 6. They are used for coupling Murrplastik cable protection conduits of the same and different diameters.

The distributors feature the following advantages:

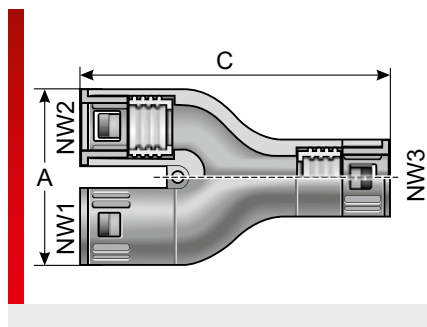
- Easy assembly by latching
- Split version makes routing of cables easy
- Distributor envelops the conduit, which means that the entire inside diameter of the conduit is available

SPECIFICATIONS

	-40 – 230 °F short term 284 °F
	Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing
	IP 42



Type	Order No.	Color	for Murrflex with NW1 / NW2 / NW3	A inch	C inch	Pack qty.
SVY 080808	83701410	Black	06 / 06 / 06	1.46	2.15	10
SVY 120808	83701412	Black	09 / 06 / 06	1.46	2.15	10
SVY 121208	83701414	Black	09 / 09 / 06	1.46	2.15	10
SVY 121212	83701416	Black	09 / 09 / 09	1.46	2.15	10
SVY 161208	83701418	Black	11 / 09 / 06	1.57	2.15	10
SVY 161212	83701420	Black	11 / 09 / 09	1.57	2.15	10
SVY 161608	83701422	Black	11 / 11 / 06	1.57	2.16	10
SVY 161612	83701424	Black	11 / 11 / 09	1.57	2.16	10
SVY 200808	83701426	Black	16 / 06 / 06	1.57	1.69	10
SVY 201208	83701428	Black	16 / 09 / 06	1.61	1.69	10
SVY 201212	83701430	Black	16 / 09 / 09	1.61	1.69	10
SVY 201608	83701432	Black	16 / 11 / 06	1.56	1.90	10
SVY 201612	83701434	Black	16 / 11 / 09	1.56	1.90	10
SVY 201616	83701435	Black	16 / 11 / 11	1.90	1.56	10
SVY 202008	83701436	Black	16 / 16 / 06	1.77	2.28	10
SVY 202012	83701438	Black	16 / 16 / 09	1.77	2.28	10
SVY 202016	83701440	Black	16 / 16 / 11	1.87	2.50	10
SVY 282012	83701442	Black	21 / 16 / 09	1.93	2.11	10
SVY 282016	83701444	Black	21 / 16 / 11	1.93	2.11	10
SVY 282812	83701446	Black	21 / 21 / 09	2.22	2.64	10
SVY 282816	83701448	Black	21 / 21 / 11	2.22	2.64	10
SVY 282820	83701450	Black	21 / 21 / 16	1.97	3.01	10
SVY 282828	83701452	Black	21 / 21 / 21	2.63	3.63	10

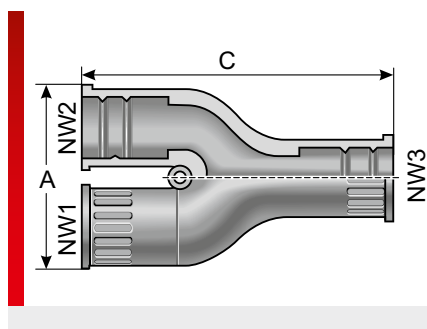


The YPA-F conduit distributors are made of specially modified polyamide. They are used for coupling Murrplastik cable protection conduits of the same and different diameters. The distributors feature the following advantages:

- Easy assembly - just insert the cable protection conduit
- High protection class
- Closed design

 -22 – 212 °F
 Mod. polyamide PA 6
 Acc. to UL94 V0 self-extinguishing
 IP 67

[illegible]



- Easy assembly - just insert the cable protection conduit
- High protection class
- Closed design

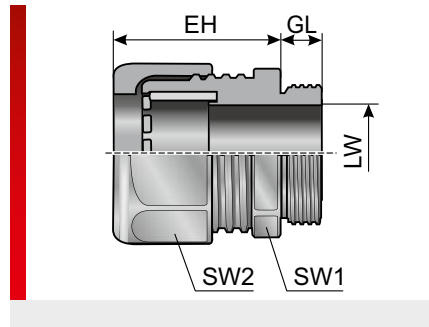
 -22 – 212 °F
 Thermoplastic elastomer
 Acc. to UL94 HB
 IP 66

[illegible]



Fitting

Type m-seal® KV (plastic version)



PRODUCT INFORMATION

The m-seal cable fittings are manufactured of specially modified Polyamide and the seal is made of NBR.

m-seal cable fittings feature the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- Simple, fast assembly without special tools.

SPECIFICATIONS

	-4 – 212 °F short term 302 °F
	Fitting: Mod. polyamide PA 6 Sealing ring: Neoprene (CR)
	Acc. to UL94 V2 self-extinguishing
	IP 68
	Strain relief according to DIN EN 50262



Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric plastic thread								
m-seal KV M12x1.5 3.0-6.5 ¹⁾	84181250	Black	M12x1,5	0.12 – 0.26	0.87	0.24	0.59	100
m-seal KV M12x1.5 4.0-8.0 ¹⁾	84181252	Black	M16x1,5	0.16 – 0.31	0.98	0.31	0.75	50
m-seal KV M20x1.5 6.0-12.0 ²⁾	84181254	Black	M20x1,5	0.24 – 0.47	1.14	0.39	0.94	50
m-seal KV M25x1.5 11.0-17.0 ²⁾	84181256	Black	M25x1,5	0.43 – 0.67	1.30	0.31	1.14	50
m-seal KV M32x1.5 15.0-21.0 ²⁾	84181258	Black	M32x1,5	0.59 – 0.83	1.54	0.39	1.42	25
m-seal KV M40x1.5 19.0-28.0 ²⁾	84181260	Black	M40x1,5	0.75 – 1.1	1.73	0.39	1.81	20
m-seal KV M50x1.5 30.0-38.0 ²⁾	84181262	Black	M50x1,5	1.18 – 1.5	1.93	0.71	2.36	10
m-seal KV M63x1.5 34.0-44.0 ²⁾	84181264	Black	M63x1,5	1.34 – 1.73	1.93	0.71	2.56	10
Pg plastic threading								
m-seal KV Pg 7 3.0-6.5 ¹⁾	84181050	Black	Pg 07	0.12 – 0.26	0.87	0.31	0.59	100
m-seal KV Pg 9 4.0-8.0 ¹⁾	84181052	Black	Pg 09	0.16 – 0.31	0.98	0.31	0.75	50

Type m-seal® KV (plastic version) (Continued...)

Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
m-seal KV Pg 11 5.0-10.0 ³⁾	84181054	Black	Pg 11	0.2 – 0.39	1.10	0.31	0.87	50
m-seal KV Pg 13.5 6.0-12.0 ²⁾	84181056	Black	Pg 13.5	0.24 – 0.47	1.14	0.35	0.94	50
m-seal KV Pg 16 10.0-14.0 ⁴⁾	84181058	Black	Pg 16	0.39 – 0.55	1.22	0.39	1.06	50
m-seal KV Pg 21 13.0-18.0 ²⁾	84181060	Black	Pg 21	0.51 – 0.71	1.38	0.43	1.3	25
m-seal KV Pg 29 18.0-25.0 ⁴⁾	84181062	Black	Pg 29	0.71 – 0.98	1.57	0.43	1.65	20
m-seal KV Pg 36 22.0-32.0 ²⁾	84181064	Black	Pg 36	0.87 – 1.26	1.93	0.51	2.09	10
m-seal KV Pg 42 30.0-38.0 ²⁾	84181066	Black	Pg 42	1.18 – 1.5	1.93	0.51	2.36	10
m-seal KV Pg 48 34.0-44.0 ²⁾	84181068	Black	Pg 48	1.34 – 1.73	1.93	0.55	2.56	10
m-seal KV Pg 7 3.0-6.5 ¹⁾	84181000	Gray	Pg 07	0.12 – 0.26	0.87	0.31	0.59	100
m-seal KV Pg 9 4.0-8.0 ¹⁾	84181002	Gray	Pg 09	0.16 – 0.31	0.98	0.31	0.75	50
m-seal KV Pg 11 5.0-10.0 ³⁾	84181004	Gray	Pg 11	0.2 – 0.39	1.10	0.31	0.87	50
m-seal KV Pg 13.5 6.0-12.0 ²⁾	84181006	Gray	Pg 13.5	0.24 – 0.47	1.14	0.35	0.94	50
m-seal KV Pg 16 10.0-14.0 ⁴⁾	84181008	Gray	Pg 16	0.39 – 0.55	1.22	0.39	1.06	50
m-seal KV Pg 21 13.0-18.0 ²⁾	84181010	Gray	Pg 21	0.51 – 0.71	1.38	0.43	1.3	25
m-seal KV Pg 29 18.0-25.0 ⁴⁾	84181012	Gray	Pg 29	0.71 – 0.98	1.57	0.43	1.65	20
m-seal KV Pg 36 22.0-32.0 ²⁾	84181014	Gray	Pg 36	0.87 – 1.26	1.93	0.51	2.09	10
m-seal KV Pg 42 30.0-38.0 ²⁾	84181016	Gray	Pg 42	1.18 – 1.5	1.93	0.51	2.36	10
m-seal KV Pg 48 34.0-44.0 ²⁾	84181018	Gray	Pg 48	1.34 – 1.73	1.93	0.55	2.56	10

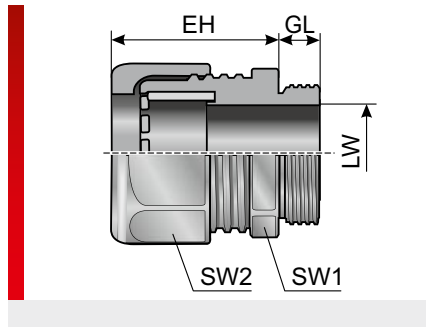
¹⁾ With UR approval

²⁾ With UL approval

³⁾ With cURus- approval

⁴⁾ With cULus- approval

Type m-seal® MV (metal version)



PRODUCT INFORMATION

The m-seal cable fittings are made of nickel-plated brass and the sealing ring of neoprene. The fittings offer excellent strain relief and have a cap nut that is resistant to vibration.

m-seal cable fittings feature the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- Simple, fast assembly without special tools.

SPECIFICATIONS

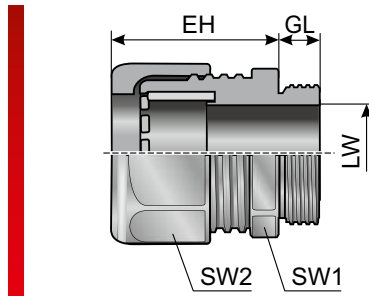
	-4 – 212 °F short term 302 °F
	Fitting: Nickel-plated brass Sealing ring: Neoprene (CR)
	Acc. to UL94 V2 self-extinguishing
	IP 68
	Strain relief according to DIN EN 50262



Type	Order No.	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric metal thread							
m-seal MV M12x1.5 3.0-6.5 ¹⁾	84201600	M12x1,5	0.12 – 0.26	0.85	0.24	0.55	50
m-seal MV M16x1.5 5.0-10.0 ²⁾	84201602	M16x1,5	0.2 – 0.39	1	0.28	0.79	50
m-seal MV M20x1.5 6.0-12.0 ¹⁾	84201604	M20x1,5	0.24 – 0.47	1	0.31	0.87	50
m-seal MV M25x1.5 11.0-17.0 ³⁾	84201606	M25x1,5	0.43 – 0.67	1.22	0.31	1.06	25
m-seal MV M32x1.5 15.0-21.0 ³⁾	84201608	M32x1,5	0.59 – 0.83	1.32	0.31	1.34	10
m-seal MV M40x1.5 19.0-28.0 ³⁾	84201610	M40x1,5	0.75 – 1.1	1.65	0.35	1.69	10
m-seal MV M50x1.5 27.0-38.0 ³⁾	84201612	M50x1,5	1.06 – 1.5	1.97	0.35	2.28	5
m-seal MV M63x1.5 34.0-44.0 ¹⁾	84201614	M63x1,5	1.34 – 1.73	2.06	0.55	2.52 / 2.68	5
Pg metal thread							
m-seal MV Pg 7 3.0-6.5 ¹⁾	84201000	Pg 07	0.12 – 0.26	0.86	0.24	0.55	50
m-seal MV Pg 9 4.0-8.0 ¹⁾	84201002	Pg 09	0.16 – 0.31	0.89	0.24	0.67	50
m-seal MV Pg 11 5.0-11.0 ¹⁾	84201004	Pg 11	0.2 – 0.43	1	0.24	0.79	50
m-seal MV Pg 13.5 6.0-12.0 ¹⁾	84201006	Pg 13.5	0.24 – 0.47	0.95	0.26	0.87	50
m-seal MV Pg 16 10.0-14.0 ¹⁾	84201008	Pg 16	0.39 – 0.55	1.08	0.26	0.94	25
m-seal MV Pg 21 13.0-18.0 ¹⁾	84201010	Pg 21	0.51 – 0.71	1.23	0.28	1.18	20
m-seal MV Pg 29 18.0-25.0 ¹⁾	84201012	Pg 29	0.71 – 0.98	1.55	0.31	1.57	10
m-seal MV Pg 36 22.0-32.0 ¹⁾	84201014	Pg 36	0.87 – 1.26	1.86	0.35	1.97	5
m-seal MV Pg 42 30.0-38.0 ¹⁾	84201016	Pg 42	1.18 – 1.5	1.88	0.47	2.28	5
m-seal MV Pg 48 34.0-44.0 ¹⁾	84201018	Pg 48	1.34 – 1.73	2.05	0.55	2.52	5
Long, metal metric threading							
m-seal MV M12x1.5-L 3.0-6.5	84201400	M12x1,5	0.12 – 0.26	0.85	0.47	0.55	50

[illegible]

Type m-seal® EMC (EMV)



PRODUCT INFORMATION

With the m-seal EMC (EMV) cable fittings, simple radial and axial movement of the cable are possible, even at contact location. The contact finger surfaces with rounded edges prevent damage to the conductor. In addition, the large surface on the contact finger makes low contact resistance possible, even on loosely woven cables (the contact area does not press into the conductor).

The m-seal EMC (EMV) cable fitting features the following advantages:

- Large seal and clamping area
- With integrated strain relief
- High protection class IP 68
- High contract rating, even at vibration conditions
- Very simple and rapid assembly without tools
- Suitable for the highest requirements of today's technology
- Very good shielding attenuation

SPECIFICATIONS

	-4 – 212 °F short term 302 °F
	Fitting: Nickel-plated brass Sealing ring: Neoprene (CR)
	Acc. to UL94 V2 self-extinguishing
	IP 68
	Strain relief according to DIN EN 50262

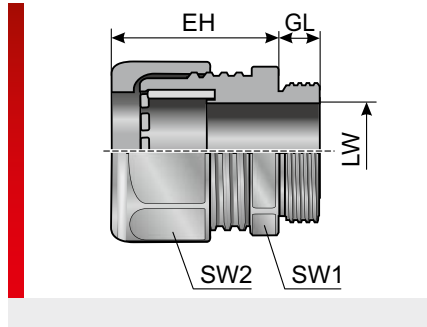


Type	Order No.	Connecting thread	Clamping range (LW) inch	Contact diameter inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric metal thread / EMC version								
m-seal EMC M12x1.5 3.0-6.5 ¹⁾	84201800	M12x1,5	0.12 – 0.26	0.08 – 0.2	1.10	0.24	0.55	50
m-seal EMC M16x1.5 5.0-10.0 ¹⁾	84201802	M16x1,5	0.2 – 0.39	0.14 – 0.31	1.34	0.24	0.79	50
m-seal EMC M20x1.5 6.0-12.0	84201804	M20x1,5	0.24 – 0.47	0.18 – 0.39	1.50	0.24	0.94	50
m-seal EMC M25x1.5 10.0-18.0 ¹⁾	84201806	M25x1,5	0.39 – 0.71	0.28 – 0.55	1.65	0.31	1.18	25
m-seal EMC M32x1.5 16.0-25.0 ²⁾	84201808	M32x1,5	0.63 – 0.98	0.47 – 0.79	1.97	0.35	1.57	10
m-seal EMC M40x1.5 22.0-32.0 ²⁾	84201810	M40x1,5	0.87 – 1.26	0.71 – 1.06	2.24	0.35	1.97	5
m-seal EMC M50x1.5 30.0-38.0 ²⁾	84201812	M50x1,5	1.18 – 1.5	1.02 – 1.34	2.68	0.35	2.28	5
m-seal EMC M63x1.5 34.0-44.0 ²⁾	84201814	M63x1,5	1.34 – 1.73	1.18 – 1.57	2.72	0.55	2.52 / 2.68	5

¹⁾ With cURus- approval

²⁾ With cULus- approval

Type WKK (plastic version)



PRODUCT INFORMATION

The WKK cable fittings are made of specially modified polyamide and the seals of NBR. The materials are halogen, phosphor and cadmium-free. The KV-ME multi-inserts can be used in the cable fittings.

The WKK cable fittings feature the following advantages:

- Very high protection class
- Easy to assemble
- Large clamping range
- Vibration-resistant cap nut

SPECIFICATIONS



-40 – 212 °F short term 248 °F



Fitting: Mod. polyamide PA 6
Molded seal: Perbunan (NBR)



Acc. to UL94 V0 self-extinguishing



IP 54 up to IP65 for smooth surfaces
IP 68 with additional O-ring type OR to 10 bar



RoHS



HF



EU



SE



CULUS



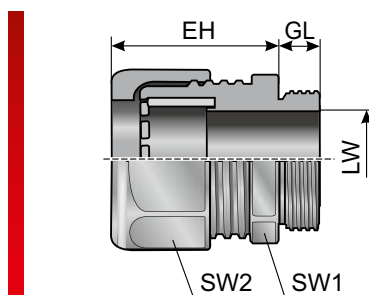
CULUS



DPE

Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric thread								
WKK-M12x1,5 ¹⁾	84105050	Black	M12x1,5	0.12 – 0.26	0.83	0.31	0.59 / 0.59	50
WKK-M16x1,5 ¹⁾	84105056	Black	M16x1,5	0.16 – 0.31	0.87	0.31	0.75 / 0.75	50
WKK-M20x1,5 ²⁾	84105062	Black	M20x1,5	0.24 – 0.47	1.06	0.35	0.94 / 0.94	50
WKK-M25x1,5 ²⁾	84105068	Black	M25x1,5	0.51 – 0.71	1.22	0.43	1.3 / 1.3	50
WKK-M32x1,5 ²⁾	84105074	Black	M32x1,5	0.71 – 0.98	1.54	0.43	1.65 / 1.65	25
WKK-M40x1,5 ²⁾	84105080	Black	M40x1,5	0.87 – 1.26	1.89	0.51	2.09 / 2.09	10
WKK-M50x1,5 ²⁾	84105086	Black	M50x1,5	1.26 – 1.5	1.93	0.51	2.36 / 2.36	10
WKK-M63x1,5 ²⁾	84105092	Black	M63x1,5	1.46 – 1.73	1.93	0.55	2.56 / 2.68	10
WKK-M12x1,5 ¹⁾	84105000	Gray	M12x1,5	0.12 – 0.26	0.83	0.31	0.59 / 0.59	50
WKK-M16x1,5 ¹⁾	84105006	Gray	M16x1,5	0.16 – 0.31	0.87	0.31	0.75 / 0.75	50
WKK-M20x1,5 ²⁾	84105012	Gray	M20x1,5	0.24 – 0.47	1.06	0.35	0.94 / 0.94	50
WKK-M25x1,5 ²⁾	84105018	Gray	M25x1,5	0.51 – 0.71	1.22	0.43	1.3 / 1.3	50
WKK-M32x1,5 ²⁾	84105024	Gray	M32x1,5	0.71 – 0.98	1.54	0.43	1.65 / 1.65	25
WKK-M40x1,5 ²⁾	84105030	Gray	M40x1,5	0.87 – 1.26	1.89	0.51	2.09 / 2.09	10
WKK-M50x1,5 ²⁾	84105036	Gray	M50x1,5	1.26 – 1.5	1.93	0.51	2.36 / 2.36	10
WKK-M63x1,5 ²⁾	84105042	Gray	M63x1,5	1.46 – 1.73	1.93	0.55	2.56 / 2.68	10
Metric version with extended thread								
WKK/L-M12x1,5 ¹⁾	84105650	Black	M12x1,5	0.12 – 0.26	0.83	0.59	0.59 / 0.59	50
WKK/L-M16x1,5 ¹⁾	84105652	Black	M16x1,5	0.16 – 0.31	0.87	0.59	0.75 / 0.75	50
WKK/L-M20x1,5 ²⁾	84105654	Black	M20x1,5	0.24 – 0.47	1.06	0.59	0.94 / 0.94	50

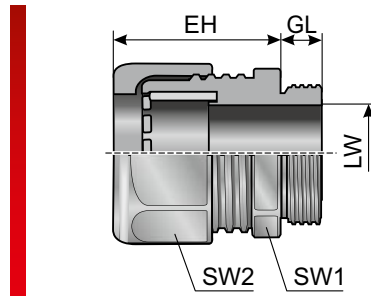
Type WKK (plastic version) (Continued...)



Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
WKK/L-M25x1.5 ²⁾	84105656	Black	M25x1,5	0.51 – 0.71	1.22	0.59	1.3 / 1.3	50
Pg threads								
WKK-Pg 07 ¹⁾	84101050	Black	Pg 07	0.12 – 0.26	0.83	0.31	0.59 / 0.59	50
WKK-Pg 09 ¹⁾	84101052	Black	Pg 09	0.16 – 0.31	0.87	0.31	0.75 / 0.75	50
WKK-Pg 11 ¹⁾	84101054	Black	Pg 11	0.2 – 0.39	0.98	0.31	0.87 / 0.87	50
WKK-Pg 13.5 ²⁾	84101056	Black	Pg 13.5	0.24 – 0.47	1.06	0.35	0.94 / 0.94	50
WKK-Pg 16 ²⁾	84101058	Black	Pg 16	0.39 – 0.55	1.10	0.39	1.06 / 1.06	50
WKK-Pg 21 ²⁾	84101060	Black	Pg 21	0.51 – 0.71	1.22	0.43	1.3 / 1.3	50
WKK-Pg 29 ²⁾	84101062	Black	Pg 29	0.71 – 0.98	1.54	0.43	1.65 / 1.65	25
WKK-Pg 36 ²⁾	84101064	Black	Pg 36	0.87 – 1.26	1.89	0.51	2.09 / 2.09	10
WKK-Pg 42 ²⁾	84101066	Black	Pg 42	1.26 – 1.5	1.93	0.51	2.36 / 2.36	5
WKK-Pg 48 ²⁾	84101068	Black	Pg 48	1.46 – 1.73	1.93	0.51	2.56 / 2.56	5
WKK-Pg 07 ¹⁾	84101010	Gray	Pg 07	0.12 – 0.26	0.83	0.31	0.59 / 0.59	50
WKK-Pg 09 ¹⁾	84101012	Gray	Pg 09	0.16 – 0.31	0.87	0.31	0.75 / 0.75	50
WKK-Pg 11 ¹⁾	84101014	Gray	Pg 11	0.2 – 0.39	0.98	0.31	0.87 / 0.87	50
WKK-Pg 13.5 ²⁾	84101016	Gray	Pg 13.5	0.24 – 0.47	1.06	0.35	0.94 / 0.94	50
WKK-Pg 16 ²⁾	84101018	Gray	Pg 16	0.39 – 0.55	1.10	0.39	1.06 / 1.06	50
WKK-Pg 21 ²⁾	84101020	Gray	Pg 21	0.51 – 0.71	1.22	0.43	1.3 / 1.3	50
WKK-Pg 29 ²⁾	84101022	Gray	Pg 29	0.71 – 0.98	1.54	0.43	1.65 / 1.65	25
WKK-Pg 36 ²⁾	84101024	Gray	Pg 36	0.87 – 1.26	1.89	0.51	2.09 / 2.09	10
WKK-Pg 42 ²⁾	84101026	Gray	Pg 42	1.26 – 1.5	1.93	0.51	2.36 / 2.36	5
WKK-Pg 48 ²⁾	84101028	Gray	Pg 48	1.46 – 1.73	1.93	0.51	2.56 / 2.56	5
Pg version with extended thread								
WKK/L-Pg 07 ¹⁾	84101650	Black	Pg 07	0.12 – 0.26	0.83	0.59	0.59 / 0.59	50
WKK/L-Pg 09 ¹⁾	84101652	Black	Pg 09	0.16 – 0.31	0.87	0.59	0.75 / 0.75	50
WKK/L-Pg 11 ¹⁾	84101654	Black	Pg 11	0.2 – 0.39	0.98	0.59	0.87 / 0.87	50
WKK/L-Pg 13.5 ²⁾	84101656	Black	Pg 13.5	0.24 – 0.47	1.06	0.59	0.94 / 0.94	50
WKK/L-Pg 16 ²⁾	84101658	Black	Pg 16	0.39 – 0.55	1.10	0.59	1.06 / 1.06	50
WKK/L-Pg 21 ²⁾	84101660	Black	Pg 21	0.51 – 0.71	1.22	0.59	1.3 / 1.3	50
WKK/L-Pg 29 ²⁾	84101662	Black	Pg 29	0.71 – 0.98	1.54	0.59	1.65 / 1.65	25
WKK/L-Pg 36 ²⁾	84101664	Black	Pg 36	0.87 – 1.26	1.89	0.71	2.09 / 2.09	10
WKK/L-Pg 42 ²⁾	84101666	Black	Pg 42	1.26 – 1.5	1.93	0.71	2.36 / 2.36	5
WKK/L-Pg 48 ²⁾	84101668	Black	Pg 48	1.46 – 1.73	1.93	0.71	2.56 / 2.56	5
WKK/L-Pg 07 ¹⁾	84101610	Gray	Pg 07	0.12 – 0.26	0.83	0.59	0.59 / 0.59	50

[illegible]

Type WKK/EX (plastic version)



PRODUCT INFORMATION

The WKK-Ex cable fittings are made of specially modified polyamide and the form seals off of NBR. The materials are halogen, phosphor and cadmium-free.

The WKK-Ex cable fittings feature the following advantages:

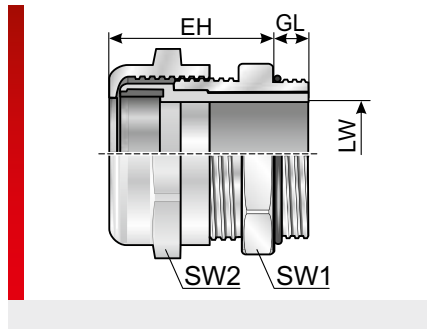
- Easy to assemble
- Approved for areas at risk of explosion
- Large clamping range

SPECIFICATIONS

	-4 – 185 °F			
	Fitting: Mod. polyamide PA 6 Molded seal: Perbunan (NBR)			
	Acc. to UL94 V0 self-extinguishing			
	IP 68 with additional O-ring type OR to 10 bar			
				

Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
WKK/EX M12x1,5 3-6,5	84101352	Black	M12x1,5	0.12 – 0.26	0.59	0.59	0.59	50
WKK/EX M16x1,5 4-8	84101354	Black	M16x1,5	0.16 – 0.31	0.87	0.59	0.75	50
WKK/EX M16x1,5 5-10	84101356	Black	M16x1,5	0.2 – 0.39	0.98	0.59	0.87	50
WKK/EX M20x1,5 6-12	84101358	Black	M20x1,5	0.24 – 0.47	1.06	0.59	0.94	50
WKK/EX M20x1,5 10-14	84101360	Black	M20x1,5	0.39 – 0.55	1.10	0.59	1.06	50
WKK/EX M25x1,5 13-18	84101362	Black	M25x1,5	0.51 – 0.71	1.22	0.59	1.3	50
WKK/EX M32x1,5 18-25	84101364	Black	M32x1,5	0.71 – 0.98	1.54	0.59	1.65	25
WKK/EX M40x1,5 22-32	84101366	Black	M40x1,5	0.87 – 1.26	1.89	0.71	2.09	10
WKK/EX M50x1,5 32-38	84101368	Black	M50x1,5	1.26 – 1.5	1.93	0.71	2.36	5
WKK/EX M63x1,5 37-44	84101370	Black	M63x1,5	1.46 – 1.73	1.93	0.71	2.56 / 2.68	5

Type WKM (metal version)



PRODUCT INFORMATION

The cable fittings are made of nickel-plated brass and specially modified polyamide, and the seal of NBR. The KV-ME multi-inserts can be used in the fittings.

The WKM cable fittings feature the following advantages:

- Very high protection class
- Easy to assemble
- Large clamping range
- Vibration-resistant cap nut
- Type OR O-ring included in delivery

SPECIFICATIONS



-40 – 212 °F short term 248 °F



Fitting: Nickel-plated brass
Clamping ring Mod. polyamide PA 6
Molded seal: NBR



Acc. to UL94 V0 self-extinguishing



IP 68 with additional O-ring type OR to 10 bar



RoHS



HF



EU



SP



CULUS



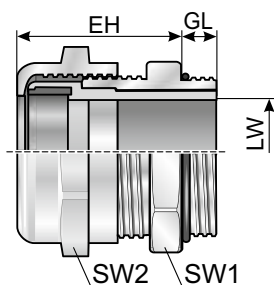
SAUS



DVE

Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric thread								
WKM-M12x1,5 ¹⁾	84125010	Silver	M12x1,5	0.12 – 0.26	0.75	0.20	0.55	50
WKM-M16x1,5 ¹⁾	84125014	Silver	M16x1,5	0.16 – 0.31	0.79	0.24	0.67	50
WKM-M20x1,5 ²⁾	84125018	Silver	M20x1,5	0.24 – 0.47	0.87	0.24	0.87	50
WKM-M25x1,5 ²⁾	84125022	Silver	M25x1,5	0.51 – 0.71	0.98	0.28	1.06	25
WKM-M32x1,5 ²⁾	84125026	Silver	M32x1,5	0.71 – 0.98	1.14	0.31	1.57	25
WKM-M40x1,5 ²⁾	84125030	Silver	M40x1,5	0.87 – 1.26	1.38	0.31	1.97	10
WKM-M50x1,5 ²⁾	84125034	Silver	M50x1,5	1.26 – 1.5	1.46	0.35	2.24	10
WKM-M63x1,5 ²⁾	84125038	Silver	M63x1,5	1.46 – 1.73	1.50	0.39	2.52 / 2.68	10
Pg threads								
WKM-Pg 07 ¹⁾	84121010	Silver	Pg 07	0.12 – 0.26	0.75	0.20	0.55	50
WKM-Pg 09 ¹⁾	84121012	Silver	Pg 09	0.16 – 0.31	0.79	0.24	0.67	50
WKM-Pg 11 ¹⁾	84121014	Silver	Pg 11	0.2 – 0.39	0.83	0.24	0.79	50
WKM-Pg 13.5 ²⁾	84121016	Silver	Pg 13.5	0.24 – 0.47	0.87	0.26	0.87	50
WKM-Pg 16 ²⁾	84121018	Silver	Pg 16	0.39 – 0.55	0.91	0.26	0.94	50
WKM-Pg 21 ²⁾	84121020	Silver	Pg 21	0.51 – 0.71	0.98	0.28	1.18	25
WKM-Pg 29 ²⁾	84121022	Silver	Pg 29	0.71 – 0.98	1.14	0.31	1.57	25
WKM-Pg 36 ²⁾	84121024	Silver	Pg 36	0.87 – 1.26	1.38	0.31	1.57	10
WKM-Pg 42 ²⁾	84121026	Silver	Pg 42	1.26 – 1.5	1.46	0.35	2.24	5
WKM-Pg 48 ²⁾	84121028	Silver	Pg 48	1.46 – 1.73	1.50	0.39	2.52	5

Type WKM (metal version) (Continued...)

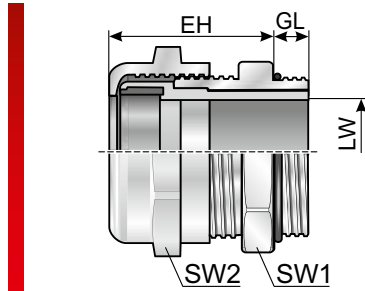


Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Pg version with extended thread								
WKM/L-Pg 07 ¹⁾	84121210	Silver	Pg 07	0.12 – 0.26	0.75	0.39	0.55	50
WKM/L-Pg 09 ¹⁾	84121212	Silver	Pg 09	0.16 – 0.31	0.79	0.39	0.67	50
WKM/L-Pg 11 ¹⁾	84121214	Silver	Pg 11	0.2 – 0.39	0.83	0.39	0.79	50
WKM/L-Pg 13.5 ²⁾	84121216	Silver	Pg 13.5	0.24 – 0.47	0.87	0.39	0.87	50
WKM/L-Pg 16 ²⁾	84121218	Silver	Pg 16	0.39 – 0.55	0.91	0.39	0.94	50
WKM/L-Pg 21 ²⁾	84121220	Silver	Pg 21	0.51 – 0.71	0.98	0.47	1.18	25
WKM/L-Pg 29 ²⁾	84121222	Silver	Pg 29	0.71 – 0.98	1.14	0.47	1.57	25
WKM/L-Pg 36 ²⁾	84121224	Silver	Pg 36	0.87 – 1.26	1.38	0.59	1.57	10
WKM/L-Pg 42 ²⁾	84121226	Silver	Pg 42	1.26 – 1.5	1.46	0.59	2.24	5
WKM/L-Pg 48 ²⁾	84121228	Silver	Pg 48	1.46 – 1.73	1.50	0.59	2.52	5
NPT thread								
WKM-NPT 3/8" ¹⁾	84122212	Silver	3/8"	0.08 – 0.24	0.83	0.59	0.67 / 0.75	50
WKM-NPT 3/8" ¹⁾	84122210	Silver	3/8"	0.16 – 0.31	0.83	0.59	0.67 / 0.75	50
WKM-NPT 1/2" ²⁾	84122216	Silver	1/2"	0.2 – 0.35	0.94	0.51	0.87 / 0.94	50
WKM-NPT 1/2" ²⁾	84122214	Silver	1/2"	0.24 – 0.47	0.94	0.51	0.87 / 0.94	50
WKM-NPT 3/4" ²⁾	84122220	Silver	3/4"	0.35 – 0.63	0.98	0.51	1.18	25
WKM-NPT 3/4" ²⁾	84122218	Silver	3/4"	0.51 – 0.71	0.98	0.51	1.18	25

¹⁾ With cURus- approval

²⁾ With cULus- approval

Type MWKM (metal version with multi-insert)



PRODUCT INFORMATION

The MWKM is a metal cable fitting made of nickel-plated brass, specially modified polyamide and an additional multi-insert that makes it possible to run multiple cords through a cable fitting.

The MWKM cable fittings feature the following advantages:

- Integrated multi-insert
- High tightness
- Easy to assemble
- Type OR O-ring included in delivery

SPECIFICATIONS



-40 – 212 °F short term 248 °F



Fitting: Nickel-plated brass
Clamping ring Mod. polyamide PA 6
IP 65



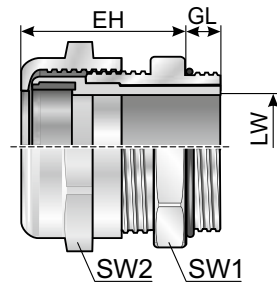
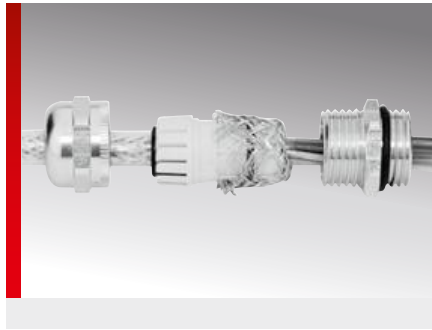
IP 68 with optimum configuration and with additional O-ring, type OR



Type	Order No.	Color	Connecting thread	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
MWKM-Pg 09-2x3 ¹⁾	84121810	Silver	Pg 09	0.83	0.24	0.67 / 0.67	50
MWKM-Pg 09-4x1.4 ¹⁾	84121812	Silver	Pg 09	0.83	0.24	0.67 / 0.67	50
MWKM-Pg 11-2x3 ¹⁾	84121814	Silver	Pg 11	0.87	0.24	0.79 / 0.79	50
MWKM-Pg 11-2x4 ¹⁾	84121816	Silver	Pg 11	0.87	0.24	0.79 / 0.79	50
MWKM-Pg 11-3x3 ¹⁾	84121818	Silver	Pg 11	0.87	0.24	0.79 / 0.79	50
MWKM-Pg 13.5-2x5 ¹⁾	84121820	Silver	Pg 13.5	0.94	0.26	0.87 / 0.87	50
MWKM-Pg 13.5-3x2 ¹⁾	84121822	Silver	Pg 13.5	0.94	0.26	0.87 / 0.87	50
MWKM-Pg 13.5-3x4 ¹⁾	84121824	Silver	Pg 13.5	0.94	0.26	0.87 / 0.87	50
MWKM-Pg 13.5-6x3 ¹⁾	84121826	Silver	Pg 13.5	0.87	0.26	0.87 / 0.87	50
MWKM-Pg 16-2x6 ¹⁾	84121828	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-3x3 ¹⁾	84121830	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-3x4 ¹⁾	84121832	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-3x6 ¹⁾	84121834	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-4x4 ¹⁾	84121836	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-5x4 ¹⁾	84121838	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 16-6x4 ¹⁾	84121840	Silver	Pg 16	0.91	0.26	0.94 / 0.94	50
MWKM-Pg 21-2x8 ¹⁾	84121842	Silver	Pg 21	0.94	0.28	1.18 / 1.18	25
MWKM-Pg 21-3x7 ¹⁾	84121844	Silver	Pg 21	0.94	0.28	1.18 / 1.18	25
MWKM-Pg 21-4x6 ¹⁾	84121846	Silver	Pg 21	0.94	0.28	1.18 / 1.18	25

¹⁾ With cURus- approval

Type WKM-EMV (metal version)



PRODUCT INFORMATION

The WKM/EMV cable fittings are made of nickel-plated brass and specially modified polyamide, and the seals of NBR. The materials are halogen, phosphor and cadmium-free. Shielded cables can be connected to earth potential using this cable fitting. The cable's braiding makes contact with the metal body, discharge the sheath currents.

The WKM/EMV cable fittings feature the following advantages:

- Large clamping range
- Very high protection class
- Easy to assemble
- Simple contacting
- Type OR O-ring included in delivery

SPECIFICATIONS



-40 – 212 °F short term 248 °F



Fitting: Nickel-plated brass
Clamping ring Mod. polyamide PA 6
Molded seal: NBR



Acc. to UL94 V0 self-extinguishing



IP 68 with additional O-ring type OR to 10 bar











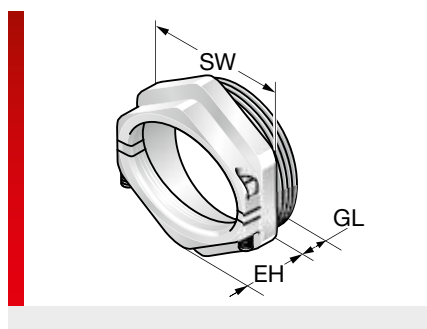




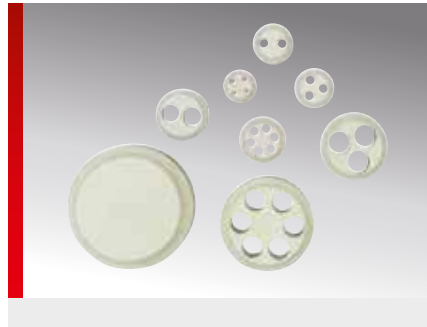
Type	Order No.	Color	Connecting thread	Clamping range (LW) inch	EH inch	GL inch	SW 1 / 2 inch	Pack qty.
Metric / EMC design								
WKM/EMV M12x1.5 ¹⁾	84125210	Silver	M12x1,5	0.12 – 0.26	0.75	0.20	0.55 / 0.55	50
WKM/EMV M16x1.5 ¹⁾	84125212	Silver	M16x1,5	0.24 – 0.39	0.87	0.24	0.79 / 0.79	50
WKM/EMV M20x1.5 ²⁾	84125214	Silver	M20x1,5	0.39 – 0.55	0.91	0.24	0.94 / 0.94	50
WKM/EMV M25x1.5 ²⁾	84125216	Silver	M25x1,5	0.55 – 0.71	0.94	0.28	1.18 / 1.18	25
WKM/EMV M32x1.5 ²⁾	84125218	Silver	M32x1,5	0.79 – 0.98	1.22	0.31	1.57 / 1.57	25
WKM/EMV M40x1.5 ²⁾	84125220	Silver	M40x1,5	0.87 – 1.26	1.46	0.31	1.97 / 1.97	10
WKM/EMV M50x1.5 ²⁾	84125222	Silver	M50x1,5	1.26 – 1.5	1.46	0.35	2.24	5
WKM/EMV M63x1.5 ²⁾	84125224	Silver	M63x1,5	1.46 – 1.73	1.50	0.39	2.52 / 2.68	5
WKM/EMV Pg 07 ¹⁾	84122010	Silver	Pg 07	0.12 – 0.26	0.75	0.20	0.55 / 0.55	50
WKM/EMV Pg 09 ¹⁾	84122012	Silver	Pg 09	0.16 – 0.31	0.83	0.24	0.67 / 0.67	50
WKM/EMV Pg 11 ¹⁾	84122014	Silver	Pg 11	0.24 – 0.39	0.87	0.24	0.79 / 0.79	50
WKM/EMV Pg 13.5 ²⁾	84122016	Silver	Pg 13.5	0.24 – 0.47	0.94	0.26	0.87 / 0.87	50
WKM/EMV Pg 16 ²⁾	84122018	Silver	Pg 16	0.39 – 0.55	0.91	0.26	0.94 / 0.94	50
WKM/EMV Pg 21 ²⁾	84122020	Silver	Pg 21	0.55 – 0.71	0.94	0.28	1.18 / 1.18	25
WKM/EMV Pg 29 ²⁾	84122022	Silver	Pg 29	0.79 – 0.98	1.14	0.31	1.57 / 1.57	25
WKM/EMV Pg 36 ²⁾	84122024	Silver	Pg 36	0.87 – 1.26	1.38	0.31	1.97 / 1.97	10
WKM/EMV Pg 42 ²⁾	84122026	Silver	Pg 42	1.26 – 1.5	1.46	0.35	2.24 / 2.24	5
WKM/EMV Pg 48 ²⁾	84122028	Silver	Pg 48	1.46 – 1.73	1.50	0.39	2.52 / 2.52	5

¹⁾ With cURus- approval

²⁾ With cULus- approval



Type KV-ME (multi-insert)



PRODUCT INFORMATION

The KV-ME multi-insert can be used both in WKK cable fittings and in WKM cable fittings. The KV-ME multi-insert can be used to route several cables through one fitting. The fitted seal insert in the cable fitting is simply swapped for the KV-ME multi-insert during assembly. Please note that the cable diameter may be up to 20% less than the diameter of the hole, but must not undershoot the hole diameter by less than 1 mm.

The KV-ME multi-inserts feature the following advantages:

- Variable
- More cables through one fitting
- High protection class

NOT suitable for the m-seal cable fittings.

SPECIFICATIONS

	-40 – 212 °F short term 248 °F
	Elastomer
	IP 65
	RoHS

Type	Order No.	No. Openings	Diameter inch	Suitable for metric	Suitable for Pg	Suitable for NPT	Pack qty.
KV-ME M16/Pg09-4x1,4	8358221000	4	0.06	M16x1,5	Pg 09	3/8"	50
KV-ME M16/Pg09-2x3	8358221200	2	0.12	M16x1,5	Pg 09	3/8"	50
KV-ME M20/Pg13.5-2x5	8358222000	2	0.20	M20x1,5	Pg 13.5	1/2"	50
KV-ME M20/Pg13.5-3x2	8358222200	3	0.08	M20x1,5	Pg 13.5	1/2"	50
KV-ME M20/Pg13.5-3x4	8358222400	3	0.16	M20x1,5	Pg 13.5	1/2"	50
KV-ME M20/Pg13.5-6x3	8358222600	6	0.12	M20x1,5	Pg 13.5	1/2"	50
KV-ME Pg11-2x3	8358221400	2	0.12		Pg 11		50
KV-ME Pg11-2x4	8358221600	2	0.16		Pg 11		50
KV-ME Pg11-3x3	8358221800	3	0.12		Pg 11		50
KV-ME Pg16-2x6	8358222800	2	0.24		Pg 16		50
KV-ME Pg16-3x3	8358223000	3	0.12		Pg 16		50
KV-ME Pg16-3x4	8358223200	3	0.16		Pg 16		50
KV-ME Pg16-3x5.6	8358223400	3	0.22		Pg 16		50
KV-ME Pg16-4x4	8358223600	4	0.16		Pg 16		50
KV-ME Pg16-5x4	8358223800	5	0.16		Pg 16		50
KV-ME Pg16-6x4	8358224000	6	0.16		Pg 16		50
KV-ME M25/Pg21-2x8	8358224200	2	0.31	M25x1,5	Pg 21	3/4"	50
KV-ME M25/Pg21-3x7	8358224400	3	0.28	M25x1,5	Pg 21	3/4"	50
KV-ME M25/Pg21-4x6	8358224600	4	0.24	M25x1,5	Pg 21	3/4"	50
KV-ME M32/Pg29-6x6,5	8358224800	6	0.26	M32x1,5	Pg 29		50
KV-ME M32/Pg29-4x9	8358225000	4	0.35	M32x1,5	Pg 29		25
KV-ME M40/Pg36-blind	8358228400			M40x1,5	Pg 36	1 1/2"	25

Type m-seal ME (multi-insert)



PRODUCT INFORMATION

The m-seal ME multi-insert is the perfect complement part to our m-seal cable fitting. The KV-ME multi-insert can be used to route several cables through one fitting. The fitted seal insert in the cable fitting is simply swapped for the ME multi-insert during assembly. Please note that the cable diameter may be up to 20% less than the diameter of the hole, but must not undershoot the hole diameter by less than 1 mm.

The m-seal ME multi-inserts feature the following advantages:

- Variable
- More cables through one fitting
- High protection class

NOT suitable for type WKK and type WKM cable fittings.

SPECIFICATIONS

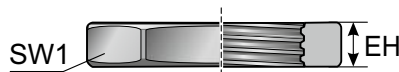
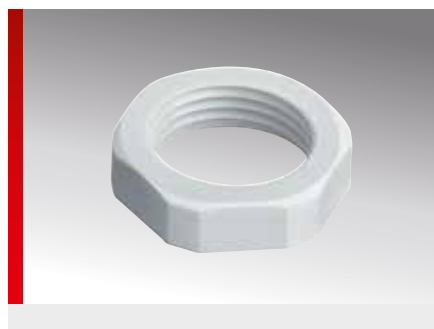
	-40 – 212 °F short term 248 °F
	Elastomer
	IP 65
	

Type	Order No.	No. Openings	Diameter inch	Suitable for metric	Suitable for Pg	Pack qty.
m-seal ME M20/PG13,5-2x5	84182020	2	0.20	M20x1,5	Pg 13.5	50
m-seal ME M20/PG13,5-2x6	84182022	2	0.24	M20x1,5	Pg 13.5	50
m-seal ME M20/PG13,5-3x4	84182024	3	0.16	M20x1,5	Pg 13.5	50
m-seal ME M20/PG13,5-3x5	84182026	3	0.20	M20x1,5	Pg 13.5	50
m-seal ME M20/PG13,5-4x4	84182028	4	0.16	M20x1,5	Pg 13.5	50
m-seal ME M25-Blind	83980251			M25x1,5		50
m-seal ME M25-1x4,5-1x5,5	83980252	2		M25x1,5		50
m-seal ME M25-2x6	84182030	2	0.24	M25x1,5		50
m-seal ME M25-4x5	84182034	4	0.20	M25x1,5		50
m-seal ME M25-6x4	84182036	6	0.16	M25x1,5		50
m-seal ME M25-3x7	84182032	3	0.28	M25x1,5		50
m-seal ME M32-2x8	84182040	2	0.31	M32x1,5		50
m-seal ME M32-2x9	84182041	2	0.35	M32x1,5		50
m-seal ME M32-3x8	84182042	3	0.31	M32x1,5		50
m-seal ME M32-4x6	84182043	4	0.24	M32x1,5		50
m-seal ME M32-4x7	84182044	4	0.28	M32x1,5		50
m-seal ME M32-5x6	84182045	5	0.24	M32x1,5		50
m-seal ME M32-8x5	84182046	8	0.20	M32x1,5		50
m-seal ME M32-9x4	84182047	9	0.16	M32x1,5		50
m-seal ME M40-2x10	84182050	2	0.39	M40x1,5		50
m-seal ME M40-3x10	84182051	3	0.39	M40x1,5		50
m-seal ME M40-4x8	84182052	4	0.31	M40x1,5		50
m-seal ME M40-5x9	84182053	5	0.35	M40x1,5		50
m-seal ME M40-6x7	84182054	6	0.28	M40x1,5		50
m-seal ME M40-8x6	84182055	8	0.24	M40x1,5		50
m-seal ME M40-9x7	84182056	9	0.28	M40x1,5		50



Accessories

Type KGM (plastic lock nut)



PRODUCT INFORMATION

The type KGM plastic lock nut is made of self-extinguishing polyamide and is available with metric or Pg thread. Usable for all corresponding hose and cable fittings, preferably with plastic threads.

SPECIFICATIONS

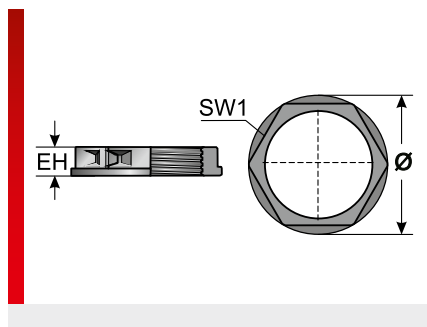
	-22 – 212 °F short term 266 °F
	Mod. polyamide PA 6
	Acc. to UL94 V0 self-extinguishing



Type	Order No.	Color	IG	EH inch	SW 1 inch	Pack qty.
Metric thread						
KGM-M12x1,5	83727250	Black	M12x1,5	0.20	0.67	100
KGM-M16x1,5	83727252	Black	M16x1,5	0.20	0.87	100
KGM-M20x1,5	83727254	Black	M20x1,5	0.24	1.02	100
KGM-M25x1,5	83727256	Black	M25x1,5	0.24	1.26	100
KGM-M32x1,5	83727258	Black	M32x1,5	0.28	1.61	100
KGM-M40x1,5	83727260	Black	M40x1,5	0.28	1.97	50
KGM-M50x1,5	83727262	Black	M50x1,5	0.31	2.36	50
KGM-M63x1,5	83727264	Black	M63x1,5	0.31	2.95	50
KGM-M12x1,5	83727210	Gray	M12x1,5	0.20	0.67	100
KGM-M16x1,5	83727212	Gray	M16x1,5	0.20	0.87	100
KGM-M20x1,5	83727214	Gray	M20x1,5	0.24	1.02	100
KGM-M25x1,5	83727216	Gray	M25x1,5	0.24	1.26	100
KGM-M32x1,5	83727218	Gray	M32x1,5	0.28	1.61	100
KGM-M40x1,5	83727220	Gray	M40x1,5	0.28	1.97	50
KGM-M50x1,5	83727222	Gray	M50x1,5	0.31	2.36	50
KGM-M63x1,5	83727224	Gray	M63x1,5	0.31	2.95	50
Pg threads						
KGM-Pg 07	83722250	Black	Pg 07	0.20	0.75	100
KGM-Pg 09	83722252	Black	Pg 09	0.24	0.87	100
KGM-Pg 11	83722254	Black	Pg 11	0.24	0.94	100
KGM-Pg 13.5	83722256	Black	Pg 13.5	0.24	1.06	100
KGM-Pg 16	83722258	Black	Pg 16	0.24	1.18	100
KGM-Pg 21	83722260	Black	Pg 21	0.28	1.42	100
KGM-Pg 29	83722262	Black	Pg 29	0.28	1.81	50

[illegible]

Type GMT



PRODUCT INFORMATION

The GMT split lock nut is made of specially modified polyamide 6. The material is halogen, phosphor and cadmium-free. The lock nuts are used when cable protection conduits fitted with pre-assembled cables need to be fixed or cable protection conduits need to be retrofitted. The GMT is ideal for connecting to our split EWT cable protection conduits and all other Murrflex cable protection conduits.

Particular benefits of the split lock nuts include:

- Subsequent installation or repairs
- Perfect for use with the SVT split conduit fitting
- Very good system tear-out strength
- Compact design
- Easy assembly and disassembly

SPECIFICATIONS



-22 – 212 °F short term 266 °F



Mod. polyamide PA 6

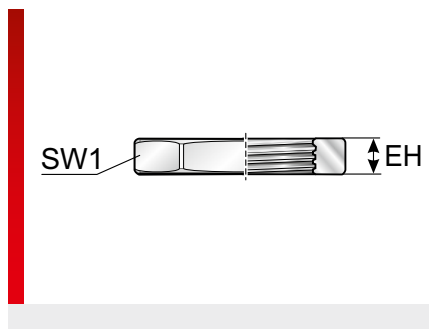


Acc. to UL94 V0 UL listed material



Type	Order No.	Color	EH inch	SW 1 inch	Ø inch	Pack qty.
splittable lock nut						
GMT M16x1.5	83651454	Black	0.39	1.02	1.18	50
GMT M20x1.5	83651456	Black	0.39	1.02	1.18	50
GMT M25x1.5	83651458	Black	0.39	1.10	1.26	50
GMT M32x1.5	83651460	Black	0.39	1.42	1.65	25
GMT M40x1.5	83651462	Black	0.47	1.81	2.05	25
GMT M50x1.5	83651464	Black	0.47	2.17	2.44	10
GMT M63x1.5	83651466	Black	0.47	2.76	3.11	10

Type GM (metal lock nut)



PRODUCT INFORMATION

The GM type lock nut is made of brass with nickel plating. It is available with metric or Pg thread and usable for all corresponding conduit and cable fittings, preferably with metal threads.

SPECIFICATIONS



Nickel-plated brass

[illegible]



The GM EMV lock nut is available with a metric or Pg thread and has special cutting edges. These cutting edges are required to “cut through” the paint layers, for example on the control cabinet, ensuring optimum contact with the housing.

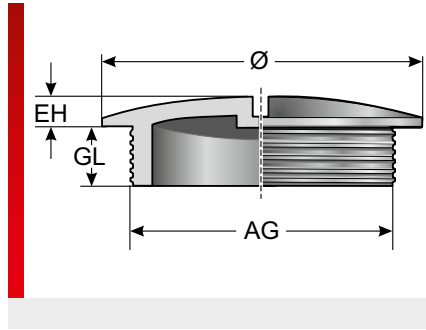


RoHS

HF

[illegible]

Type BSTK (plastic dummy plug)



PRODUCT INFORMATION

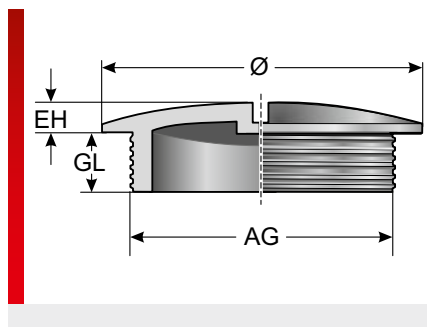
The type BSTK dummy plug is made of specially modified polyamide and is available with metric or Pg thread. For instance, it can be used as a temporarily filler for holes currently not needed in the control cabinet. IP 65 protection rating can be achieved using an additional type OR O-ring. (O-ring not included in the delivery)

SPECIFICATIONS

	-22 – 212 °F short term 266 °F
	Mod. polyamide PA 6
	Acc. to UL94 HB
	IP 54 IP 65 with additional sealing ring, type OR
	
	

Type	Order No.	Color	AG	EH inch	GL inch	Ø inch	Pack qty.
Metric thread							
BSTK-M12x1,5	83726450	Black	M12x1,5	0.12	0.24	0.59	100
BSTK-M16x1,5	83726452	Black	M16x1,5	0.14	0.24	0.79	100
BSTK-M20x1,5	83726454	Black	M20x1,5	0.16	0.24	0.94	100
BSTK-M25x1,5	83726456	Black	M25x1,5	0.18	0.31	1.18	100
BSTK-M32x1,5	83726458	Black	M32x1,5	0.18	0.31	1.46	100
BSTK-M40x1,5	83726460	Black	M40x1,5	0.22	0.31	1.81	50
BSTK-M50x1,5	83726462	Black	M50x1,5	0.22	0.39	2.20	50
BSTK-M63x1,5	83726464	Black	M63x1,5	0.18	0.47	2.76	50
BSTK-M12x1,5	83726410	Gray	M12x1,5	0.12	0.24	0.59	100
BSTK-M16x1,5	83726412	Gray	M16x1,5	0.14	0.24	0.79	100
BSTK-M20x1,5	83726414	Gray	M20x1,5	0.16	0.24	0.94	100
BSTK-M25x1,5	83726416	Gray	M25x1,5	0.18	0.31	1.18	100
BSTK-M32x1,5	83726418	Gray	M32x1,5	0.18	0.31	1.46	100
BSTK-M40x1,5	83726420	Gray	M40x1,5	0.22	0.31	1.81	50
BSTK-M50x1,5	83726422	Gray	M50x1,5	0.22	0.39	2.20	50
BSTK-M63x1,5	83726424	Gray	M63x1,5	0.18	0.47	2.76	50
Pg threads							
BSTK-Pg 07	83721410	Gray	Pg 07	0.06	0.24	0.59	100
BSTK-Pg 09	83721412	Gray	Pg 09	0.10	0.24	0.75	100
BSTK-Pg 11	83721414	Gray	Pg 11	0.12	0.24	0.87	100
BSTK-Pg 13.5	83721416	Gray	Pg 13.5	0.14	0.24	0.98	100
BSTK-Pg 16	83721418	Gray	Pg 16	0.14	0.24	1.06	100

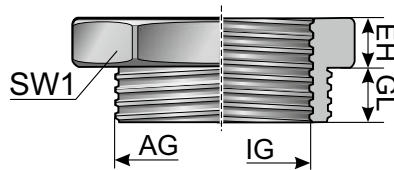
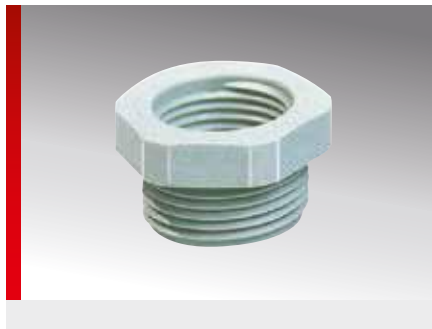
[illegible]



IP

[illegible]

Type KRR (plastic reducing bush)



PRODUCT INFORMATION

The thread reducing bush is made of specially modified polyamide and is available with metric or Pg thread. They are to be used with an additional type OR O-ring. (O-ring is not included in the delivery)

SPECIFICATIONS

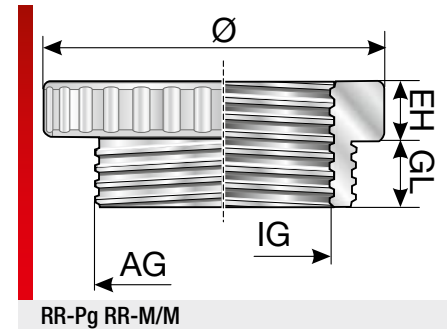
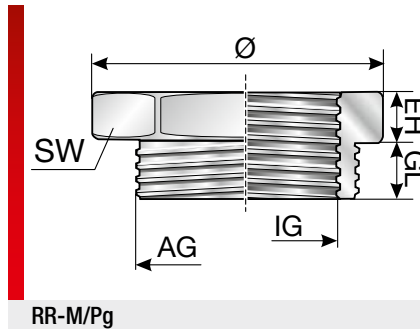
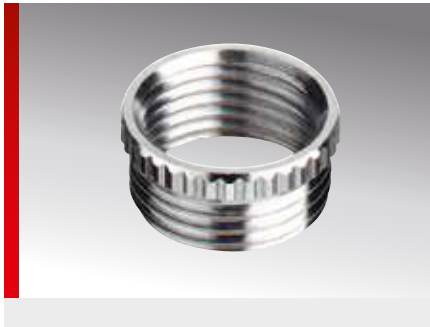
	-22 – 212 °F short term 266 °F
	Mod. polyamide PA 6
	Acc. to UL94 HB



Type	Order No.	Color	AG	IG	EH inch	GL inch	SW 1 inch	Pack qty.
Metric / metric version								
KRR-M20/M12	83727450	Black	M20x1,5	M12x1,5	0.16	0.31	0.94	100
KRR-M20/M16	83727452	Black	M20x1,5	M16x1,5	0.16	0.31	0.94	100
KRR-M25/M12	83727454	Black	M25x1,5	M12x1,5	0.24	0.31	1.18	100
KRR-M25/M16	83727456	Black	M25x1,5	M16x1,5	0.24	0.31	1.18	100
KRR-M25/M20	83727458	Black	M25x1,5	M20x1,5	0.24	0.31	1.18	100
KRR-M32/M12	83727460	Black	M32x1,5	M12x1,5	0.24	0.39	1.42	50
KRR-M32/M16	83727462	Black	M32x1,5	M16x1,5	0.24	0.39	1.42	50
KRR-M32/M20	83727464	Black	M32x1,5	M20x1,5	0.24	0.39	1.42	50
KRR-M32/M25	83727466	Black	M32x1,5	M25x1,5	0.24	0.39	1.42	50
KRR-M40/M16	83727468	Black	M40x1,5	M16x1,5	0.24	0.39	1.81	50
KRR-M40/M20	83727470	Black	M40x1,5	M20x1,5	0.24	0.39	1.81	50
KRR-M40/M25	83727472	Black	M40x1,5	M25x1,5	0.24	0.39	1.81	50
KRR-M40/M32	83727474	Black	M40x1,5	M32x1,5	0.24	0.39	1.81	50
KRR-M50/M20	83727476	Black	M50x1,5	M20x1,5	0.24	0.47	2.17	25
KRR-M50/M25	83727478	Black	M50x1,5	M25x1,5	0.24	0.47	2.17	25
KRR-M50/M32	83727480	Black	M50x1,5	M32x1,5	0.24	0.47	2.17	25
KRR-M50/M40	83727482	Black	M50x1,5	M40x1,5	0.24	0.47	2.17	25
KRR-M63/M25	83727484	Black	M63x1,5	M25x1,5	0.24	0.47	2.68	25
KRR-M63/M32	83727486	Black	M63x1,5	M32x1,5	0.24	0.47	2.68	25
KRR-M63/M40	83727488	Black	M63x1,5	M40x1,5	0.24	0.47	2.68	25
KRR-M63/M50	83727490	Black	M63x1,5	M50x1,5	0.24	0.47	2.68	25
KRR-M20/M12	83727400	Gray	M20x1,5	M12x1,5	0.16	0.31	0.94	100
KRR-M20/M16	83727402	Gray	M20x1,5	M16x1,5	0.16	0.31	0.94	100
KRR-M25/M12	83727404	Gray	M25x1,5	M12x1,5	0.24	0.31	1.18	100
KRR-M25/M16	83727406	Gray	M25x1,5	M16x1,5	0.24	0.31	1.18	100

[illegible]

Type RR (metal reducing bush)



PRODUCT INFORMATION

The type RR thread reducing bush is made of brass with nickel plating. It is available with metric or Pg thread and depending on the type, as a knurled or hexagon version. The following versions of the thread reducing bush are available:

- Metric/Metric
- Metric/Pg
- Pg/Pg

SPECIFICATIONS



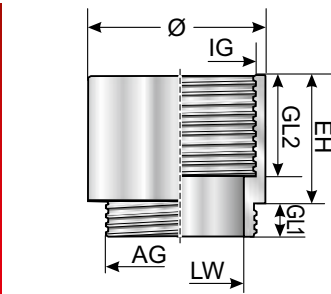
Nickel-plated brass



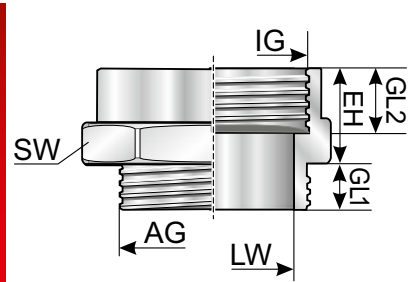
Type	Order No.	Color	AG	IG	EH inch	GL inch	SW 1 inch	Ø inch	Pack qty.
Metric / metric version (without O-ring)									
RR-M16/M12	83727610	Silver	M16x1,5	M12x1,5	0.10	0.24		0.71	100
RR-M20/M12	83727612	Silver	M20x1,5	M12x1,5	0.10	0.26		0.87	100
RR-M20/M16	83727614	Silver	M20x1,5	M16x1,5	0.10	0.26		0.87	100
RR-M25/M16	83727616	Silver	M25x1,5	M16x1,5	0.12	0.28		1.06	100
RR-M25/M20	83727618	Silver	M25x1,5	M20x1,5	0.12	0.28		1.06	100
RR-M32/M20	83727620	Silver	M32x1,5	M20x1,5	0.14	0.31		1.34	50
RR-M32/M25	83727622	Silver	M32x1,5	M25x1,5	0.14	0.31		1.34	50
RR-M40/M25	83727624	Silver	M40x1,5	M25x1,5	0.14	0.35		1.69	25
RR-M40/M32	83727626	Silver	M40x1,5	M32x1,5	0.14	0.35		1.69	25
RR-M50/M32	83727628	Silver	M50x1,5	M32x1,5	0.16	0.39		2.09	25
RR-M50/M40	83727630	Silver	M50x1,5	M40x1,5	0.16	0.39		2.09	10
RR-M63/M40	83727632	Silver	M63x1,5	M40x1,5	0.16	0.39		2.60	10
RR-M63/M50	83727634	Silver	M63x1,5	M50x1,5	0.16	0.39		2.60	10
Metric / Pg version (with O-ring on external thread)									
RR-M16/Pg7	83727810	Silver	M16x1,5	Pg 07	0.12	0.20	0.67		100
RR-M20/Pg9	83727812	Silver	M20x1,5	Pg 09	0.12	0.24	0.87		100
RR-M25/Pg9	83727814	Silver	M25x1,5	Pg 09	0.12	0.28	1.06		100
RR-M25/Pg11	83727816	Silver	M25x1,5	Pg 11	0.12	0.28	1.06		100
RR-M25/Pg13.5	83727818	Silver	M25x1,5	Pg 13.5	0.12	0.28	1.06		100
RR-M32/Pg13.5	83727820	Silver	M32x1,5	Pg 13.5	0.12	0.31	1.34		50
RR-M32/Pg16	83727822	Silver	M32x1,5	Pg 16	0.12	0.31	1.34		50
RR-M32/Pg21	83727824	Silver	M32x1,5	Pg 21	0.12	0.31	1.34		50
RR-M40/Pg16	83727826	Silver	M40x1,5	Pg 16	0.16	0.31	1.69		25
RR-M40/Pg21	83727828	Silver	M40x1,5	Pg 21	0.16	0.31	1.69		25
RR-M40/Pg29	83727830	Silver	M40x1,5	Pg 29	0.16	0.31	1.69		25
RR-M50/Pg21	83727832	Silver	M50x1,5	Pg 21	0.16	0.35	2.17		25

[illegible]

Type ER/EG (metal extension)



EG



ER

PRODUCT INFORMATION

The type ER/EG thread extension bush is made of brass with nickel plating. They are available with metric or Pg thread and depending on the type, as a round or hexagon version. The thread extension bush fittings are in part already equipped with an O-ring on the external thread (see identification).

The following versions of the thread extension bush are available:

- Metric/Metric
- Metric/Pg
- Pg/Pg

SPECIFICATIONS



Nickel-plated brass



Type	Order No.	AG	IG	EH inch	GL 1 inch	GL 2 inch	Ø inch	SW 1 inch	Pack qty.
Metric / metric version									
ER-M12/M16	83728010	M12x1,5	M16x1,5	0.39	0.20	0.35		0.71	100
ER-M16/M20	83728012	M16x1,5	M20x1,5	0.41	0.20	0.37		0.87	100
ER-M20/M25	83728014	M20x1,5	M25x1,5	0.45	0.24	0.41		1.06	50
ER-M25/M32	83728016	M25x1,5	M32x1,5	0.49	0.28	0.43		1.34	25
ER-M32/M40	83728018	M32x1,5	M40x1,5	0.57	0.31	0.51		1.65	10
ER-M40/M50	83728020	M40x1,5	M50x1,5	0.77	0.31	0.71		2.05	10
ER-M50/M63	83728022	M50x1,5	M63x1,5	0.87	0.35	0.79		2.56	10
Metric / Pg version									
EG-M12/Pg 09	83726810	M12x1,5	Pg 09	0.39	0.20	0.35	0.67		100
EG-M16/Pg 11	83726812	M16x1,5	Pg 11	0.41	0.20	0.37	0.79		100
EG-M20/Pg 16 ¹⁾	83726814	M20x1,5	Pg 16	0.49	0.24	0.41	0.94		100
EG-M25/Pg 21	83726816	M25x1,5	Pg 21	0.57	0.28	0.43	1.18		100
EG-M32/Pg 29 ¹⁾	83726818	M32x1,5	Pg 29	0.87	0.31	0.51	1.54		50
EG-M40/Pg 36 ¹⁾	83726820	M40x1,5	Pg 36	0.77	0.31	0.71	1.97		50
EG-M50/Pg 42 ¹⁾	83726822	M50x1,5	Pg 42	0.87	0.35	0.79	2.24		25
EG-M50/Pg 48 ¹⁾	83726824	M50x1,5	Pg 48	0.91	0.35	0.79	2.52		25
Pg / Pg version									
EG-Pg 07/09	83721810	Pg 07	Pg 09	0.39	0.20	0.35	0.67		100
EG-Pg 09/11	83721812	Pg 09	Pg 11	0.41	0.24	0.37	0.79		100
EG-Pg 09/13.5	83721814	Pg 09	Pg 13.5	0.41	0.24	0.41	0.87		100
EG-Pg 11/13.5	83721816	Pg 11	Pg 13.5	0.45	0.24	0.41	0.87		100
EG-Pg 11/16	83721818	Pg 11	Pg 16	0.45	0.24	0.43	0.94		100
EG-Pg 13.5/16	83721820	Pg 13.5	Pg 16	0.53	0.26	0.43	0.94		100
EG-Pg 16/21	83721822	Pg 16	Pg 21	0.61	0.26	0.51	1.18		100
EG-Pg 21/29	83721824	Pg 21	Pg 29	0.63	0.28	0.57	1.54		50

[illegible]

The image displays three different types of pipe fittings, each shown in a separate panel with a red vertical bar on the left. The first panel shows a plug fitting, which is a cylindrical component with a flange and a black O-ring. The second panel shows a tee fitting, which is a T-shaped component with a flange and a black O-ring. The third panel shows a ring fitting, which is a circular component with a black O-ring.

The type OR-NBR O-ring is manufactured from NBR and serves to seal off threaded connections for higher protection classes, i.e. at threaded cable fittings.

- Metric
- Pg
- NPT

 -13 – 248 °F

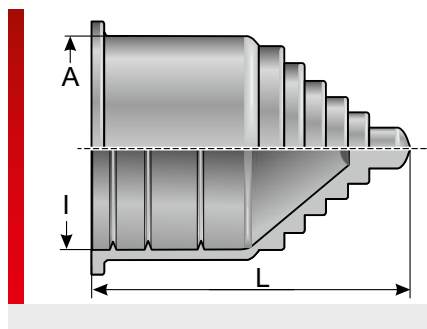
 NBR

 RoHS

 HF

Type	Order No.	Suitable for metric	Suitable for Pg	Suitable for NPT	Pack qty.
OR-NBR 10x1.5	83481210	M12x1,5	Pg 07		100
OR-NBR 12x1.5	83481212	M16x1,5	Pg 09		100
OR-NBR 13x2	83481214			3/8"	100
OR-NBR 16x1.5	83481216		Pg 11		100
OR-NBR 17x1.8	83481218	M20x1,5	Pg 13.5		100
OR-NBR 18x1.5	83481220		Pg 16		100
OR-NBR 19x1.8	83481222			1/2"	100
OR-NBR 22x2	83481224	M25x1,5		3/4"	100
OR-NBR 26x2	83481226		Pg 21		100
OR-NBR 29x2	83481228	M32x1,5		1"	100
OR-NBR 33x2	83481230		Pg 29		50
OR-NBR 35x2	83481232	M40x1,5			50
OR-NBR 43x2	83481234	M50x1,5	Pg 36		50
OR-NBR 50x2	83481236		Pg 42		50
OR-NBR 55x2	83481238	M63x1,5	Pg 48		50

Type ET-EN (end grommet)



PRODUCT INFORMATION

The type ET end grommet is made of TPE and is used, for example, to close off the open end of a protective conduit, or as centering device for exiting cables. The end grommet features the following advantages:

- Opening of end grommet variable (depending on the cable diameter used)
- Easy assembly
- Fixing of end grommet to the cable protection conduit using ribs running round the inside
- Approved for railway technology (EN 45545-2)

SPECIFICATIONS


 -40 – 212 °F short term 248 °F


 Thermoplastic elastomer


 Acc. to UL94 V0 self-extinguishing


 IP 67


 RoHS

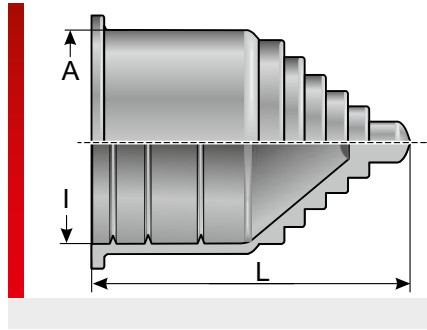

 HF


 EU


 Made in Germany

Type	Order No.	Color	A inch	I inch	L inch	Cable Ø inch	Pack qty.
ET-EN P07 end grommet, sw	83723480	Black	0.51	0.39	1.14	0.04 / 0.31	50
ET-EN P09 end grommet, sw	83723482	Black	0.63	0.51	1.28	0.04 / 0.39	50
ET-EN P11 end grommet, sw	83723484	Black	0.75	0.62	1.44	0.16 / 0.47	50
ET-EN P16 end grommet, sw	83723486	Black	0.98	0.83	1.48	0.24 / 0.65	50
ET-EN P21 end grommet, sw	83723488	Black	1.26	1.12	1.58	0.24 / 0.91	25
ET-EN P36 end grommet, sw	83723492	Black	1.81	1.67	1.81	0.39 / 1.46	25
ET-EN P48 end grommet, sw	83723494	Black	2.32	2.15	2.05	0.39 / 1.85	10

Type ET (end grommet)



PRODUCT INFORMATION

The type ET end grommet is made of TPE and is used, for example, to close off the open end of a protective conduit, or as centering device for exiting lines. The end grommet features the following advantages:

- Opening of end grommet variable (depending on the cable diameter used)
- Easy assembly
- Fixing of end grommet to the cable protection conduit using ribs running round the inside

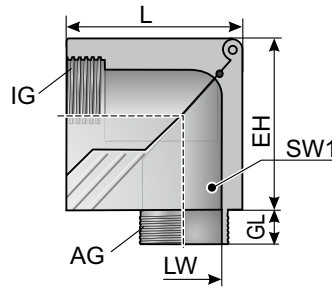
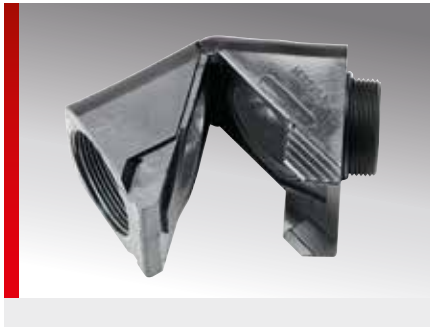
SPECIFICATIONS

	-40 – 212 °F short term 248 °F
	Thermoplastic elastomer
	Acc. to UL94 HB
	IP 67



Type	Order No.	Color	Suitable for Murrflex	A inch	I inch	L inch	Cable Ø inch	Pack qty.
ET 07	83723450	Black	Pg06 ; M10/P7	0.51	0.39	1.14	0.04 / 0.31	50
ET 09	83723452	Black	M12/P9	0.63	0.51	1.28	0.04 / 0.39	50
ET 11	83723454	Black	M16/P11	0.75	0.62	1.44	0.16 / 0.47	50
ET 16	83723456	Black	M20/P16(S)	0.98	0.83	1.48	0.24 / 0.65	50
ET 21	83723458	Black	M25/P21(S)	1.26	1.12	1.58	0.24 / 0.91	25
ET 29	83723460	Black	M32/P29(S)	1.54	1.36	1.74	0.24 / 1.14	25
ET 36	83723462	Black	M40/P36(S)	1.81	1.67	1.81	0.39 / 1.46	25
ET 48	83723464	Black	M50/P48(S)	2.32	2.15	2.05	0.39 / 1.85	10
ET 07	83723410	Gray	Pg06 ; M10/P7	0.51	0.39	1.14	0.04 / 0.31	50
ET 09	83723412	Gray	M12/P9	0.63	0.51	1.28	0.04 / 0.39	50
ET 11	83723414	Gray	M16/P11	0.75	0.62	1.44	0.16 / 0.47	50
ET 16	83723416	Gray	M20/P16(S)	0.98	0.83	1.48	0.24 / 0.65	50
ET 21	83723418	Gray	M25/P21(S)	1.26	1.12	1.58	0.24 / 0.91	25
ET 29	83723420	Gray	M32/P29(S)	1.54	1.36	1.74	0.24 / 1.14	25
ET 36	83723422	Gray	M40/P36(S)	1.81	1.67	1.81	0.39 / 1.46	25
ET 48	83723424	Gray	M50/P48(S)	2.32	2.15	2.05	0.39 / 1.85	10

Type KAW (plastic connection angle)



PRODUCT INFORMATION

The KAW 90° plastic connection angle is a foldable angle connection, made of specially modified polyamide. It can be combined in any way with cable fittings or conduit fittings. The connector angle features the following advantages:

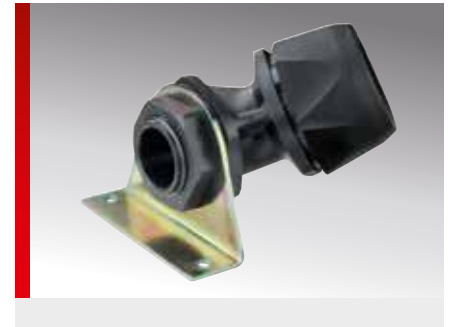
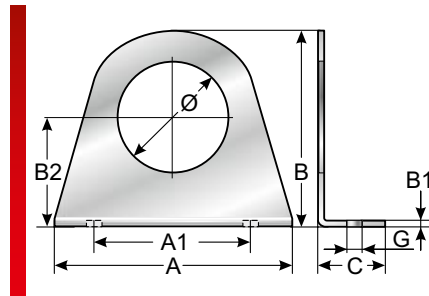
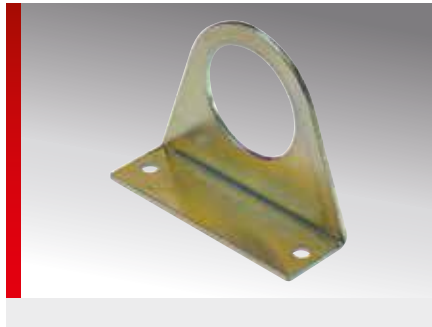
- Easy cable insertion
- High degree of protection (IP 68)
- Easy assembly
- Folds open
- Wide range of connection options
- Includes seal on connecting thread

SPECIFICATIONS

	-4 – 176 °F
	Mod. polyamide PA 6 NBR
	Acc. to UL94 V0 self-extinguishing
	IP 68
	
	

Type	Order No.	Color	AG	IG	EH inch	GL inch	L inch	LW inch	SW 1 inch	Pack qty.
Metric thread										
KAW-M 16x1.5	83661650	Black	M16x1,5	Pg 09	0.91	0.31	1.12	0.39	0.75	25
KAW-M 20x1.5	83661652	Black	M20x1,5	Pg 13.5	1.20	0.35	1.38	0.53	0.94	25
KAW-M 25x1.5	83661654	Black	M25x1,5	Pg 21	1.57	0.43	1.93	0.77	1.30	25
KAW-M 32x1.5	83661656	Black	M32x1,5	Pg 29	2.03	0.43	2.36	1.06	1.65	10
KAW-M 16x1.5	83661610	Gray	M16x1,5	Pg 09	0.91	0.31	1.12	0.39	0.75	25
KAW-M 20x1.5	83661612	Gray	M20x1,5	Pg 13.5	1.20	0.35	1.38	0.53	0.94	25
KAW-M 25x1.5	83661614	Gray	M25x1,5	Pg 21	1.57	0.43	1.93	0.77	1.30	25
KAW-M 32x1.5	83661616	Gray	M32x1,5	Pg 29	2.03	0.43	2.36	1.06	1.65	10
Pg threads										
KAW-Pg 09	83661050	Black	Pg 09	Pg 09	0.91	0.31	1.12	0.39	0.75	25
KAW-Pg 11	83661052	Black	Pg 11	Pg 11	1.06	0.31	1.24	0.47	0.87	25
KAW-Pg 13.5	83661054	Black	Pg 13.5	Pg 13.5	1.20	0.35	1.38	0.53	0.94	25
KAW-Pg 16	83661056	Black	Pg 16	Pg 16	1.28	0.39	1.48	0.63	1.06	25
KAW-Pg 21	83661058	Black	Pg 21	Pg 21	1.57	0.43	1.93	0.79	1.30	25
KAW-Pg 29	83661060	Black	Pg 29	Pg 29	2.03	0.43	2.36	1.06	1.65	10
KAW-Pg 09	83661012	Gray	Pg 09	Pg 09	0.91	0.31	1.12	0.39	0.75	25
KAW-Pg 11	83661014	Gray	Pg 11	Pg 11	1.06	0.31	1.24	0.47	0.87	25
KAW-Pg 13.5	83661016	Gray	Pg 13.5	Pg 13.5	1.20	0.35	1.38	0.53	0.94	25
KAW-Pg 16	83661018	Gray	Pg 16	Pg 16	1.28	0.39	1.48	0.63	1.06	25
KAW-Pg 21	83661020	Gray	Pg 21	Pg 21	1.57	0.43	1.93	0.79	1.30	25
KAW-Pg 29	83661022	Gray	Pg 29	Pg 29	2.03	0.43	2.36	1.06	1.65	10

Type BWM (fastening bracket)



PRODUCT INFORMATION

The type BWM fastening bracket is made of sheet steel with zinc plating. It is used as a universal holder for fastening fittings to equipment and machinery. The fastening bracket features the following advantages:

- Quick and easy fastening
- For Pg and metric fittings
- Fastening of fitting secured with lock nut

SPECIFICATIONS



Galvanized sheet steel

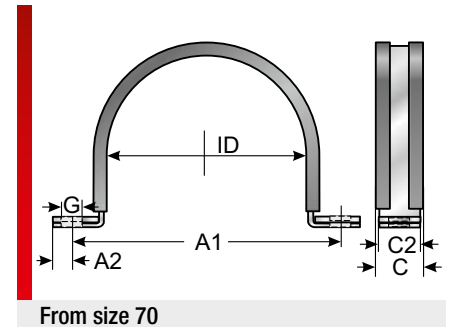
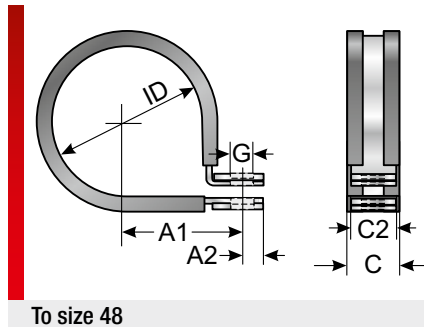


Type	Order No.	Suitable for Thread	A inch	B inch	C inch	G inch	A1 inch	B1 inch	Ø inch	Pack qty.
For metric threading										
BWM-M12x1.5	83721660	M12x1,5	1.38	1.24	0.47	0.16	0.98	0.06	0.49	25
BWM-M16x1.5	83721662	M16x1,5	1.97	1.24	0.47	0.16	1.57	0.06	0.65	25
BWM-M20x1.5	83721664	M20x1,5	1.97	1.48	0.79	0.16	1.57	0.08	0.81	25
BWM-M25x1.5	83721666	M25x1,5	2.36	1.87	0.79	0.16	1.97	0.08	1	25
BWM-M32x1.5	83721668	M32x1,5	2.76	2.26	0.79	0.16	2.36	0.08	1.28	25
BWM-M40x1.5	83721670	M40x1,5	3.15	2.70	0.79	0.16	2.76	0.08	1.59	25
BWM-M50x1.5	83721672	M50x1,5	3.54	3.19	0.79	0.16	3.15	0.08	2.01	25
For PG threading										
BWM 09	83721610	Pg 09	1.38	1.24	0.47	0.16	0.98	0.06	0.60	25
BWM 11	83721612	Pg 11	1.38	1.24	0.47	0.16	0.98	0.06	0.74	25
BWM 16	83721614	Pg 16	1.97	1.50	0.79	0.16	1.57	0.08	0.91	25
BWM 21	83721616	Pg 21	2.36	1.87	0.79	0.16	1.97	0.08	1.12	25
BWM 29	83721618	Pg 29	2.76	2.26	0.79	0.16	2.36	0.08	1.48	25
BWM 36	83721620	Pg 36	3.15	2.67	0.79	0.16	2.76	0.08	1.87	25
BWM 48	83721622	Pg 48	3.54	3.17	0.79	0.16	3.15	0.08	2.36	25

SPECIFICATIONS

[illegible]

Type SSG (conduit clamp)



PRODUCT INFORMATION

The type SSG hose clamp is made of sheet steel, with a zinc plated surface and is partially covered with a halogen-free elastomer. The SSG are used for easy fixing or securing of cable protection conduits and distinguish themselves with the following advantages:

- Quick and easy installation
- The elastomer cover prevents damage to the protective conduits
- Suitable for all cable protection conduits

SPECIFICATIONS



-40 – 248 °F



Galvanized sheet steel
EPDM



Type	Order No.	C inch	G inch	ID inch	A1 inch	A2 inch	C2 inch	Pack qty.
SSG 06/M5	83723210	0.59	0.21	0.39	0.51	0.20	0.47	25
SSG 06/M6	83723211	0.73	0.25	0.39	0.64	0.24	0.59	25
SSG 07/M5	83723212	0.59	0.21	0.47	0.55	0.20	0.47	25
SSG 07/M6	83723213	0.73	0.25	0.47	0.68	0.24	0.59	25
SSG 09/M5	83723214	0.59	0.21	0.51	0.57	0.20	0.47	25
SSG 09/M6	83723215	0.73	0.25	0.51	0.70	0.24	0.59	25
SSG 11/M5	83723216	0.59	0.21	0.59	0.61	0.20	0.47	25
SSG 11/M6	83723217	0.73	0.25	0.59	0.74	0.24	0.59	25
SSG 16/M5	83723218	0.59	0.21	0.83	0.73	0.20	0.47	25
SSG 16/M6	83723219	0.73	0.25	0.83	0.85	0.24	0.59	25
SSG 21/M6	83723222	0.73	0.25	1.10	0.99	0.24	0.59	25
SSG 29/M6	83723224	0.73	0.25	1.34	1.11	0.24	0.59	25
SSG 36/M8	83723226	0.98	0.33	1.57	1.36	0.33	0.79	10
SSG 48/M6	83723228	0.73	0.25	2.13	1.50	0.24	0.59	10
SSG 70/M8	83723230	0.96	0.33	3.07	4.21	0.33	0.79	10
SSG 95/M8	83723232	0.96	0.33	4.13	5.28	0.33	0.79	10

The type EK end cap is made of specially modified polyamide and mounted on the ends of the cable protection conduits. The end cap is designed as an edge protector so that exiting cables cannot be damaged and the visual effect of the installation is improved.

 -40 – 239 °F short term 302 °F

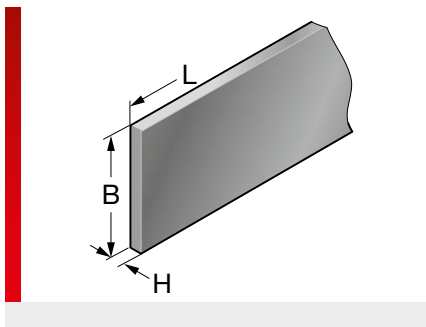
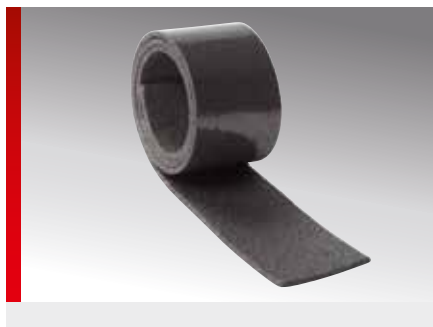
 Mod. polyamide PA 6

 Acc. to UL94 V2 self-extinguishing

 RoHS

[illegible]

Type RAB



PRODUCT INFORMATION

The RAB 30 room integrity strip is made of a special reactive material. The flexible material expands in three dimensions from about 190° C, producing a thick foam in the event of a fire that seals off the opening into which the RAB 30 is inserted.

Applications:

- In conjunction with the Murrplastik m-top conduit fittings with metal thread
- Control cabinet or control box, preferably for the railway industry

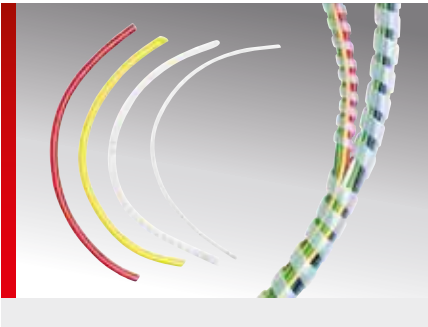
SPECIFICATIONS



Reactive material on graphite basis

[illegible]

Type SB/SBF (Spiral tape)



PRODUCT INFORMATION

Spiral tapes are used to bundle cable harnesses efficiently and simply. The spiral tapes also protect the insulation of the wires. Branches of single wires or looms of cables may be made at any place. Bundling in the range from 2 - 100 mm is possible with just three sizes. The SBF consists of flame-retardant material.

SPECIFICATIONS

	14 – 104 °F short term 140 °F
	Mod. polyethylene
	Acc. to UL94 HB for type SB only Acc. to UL94 V2 for type SBF only
	

Type	Order No.	Color	Bundle range inch	inside inch	external inch	Weight lbs/100ft	Pack qty.
SB 12	87621010	Natural color	0.08 – 0.47	0.06	0.12	0.27	164.04
SB 50	87621012	Natural color	0.2 – 1.97	0.16	0.24	1.01	328.08
SB 100	87621014	Natural color	0.47 – 3.94	0.35	0.47	3.23	164.04
SB 50	87621022	Black	0.2 – 1.97	0.16	0.24	1.01	328.08
SB 100	87621024	Black	0.47 – 3.94	0.35	0.47	1.01	164.04
SB 50	87621210	Yellow	0.2 – 1.97	0.16	0.24	1.01	328.08
SB 100	87621212	Yellow	0.47 – 3.94	0.35	0.47	1.88	164.04
SB 50	87621250	Orange	0.2 – 1.97	0.16	0.24	1.01	328.08
SB 100	87621252	Orange	0.47 – 3.94	0.35	0.47	1.88	164.04
Flame-retardant version (fire classification acc. to UL94: V2)							
SBF 12	87621050	White	0.08 – 0.39	0.06	0.12	0.2	164.04
SBF 50	87621052	White	0.2 – 1.57	0.16	0.24	0.94	82.02
SBF 100	87621054	White	0.43 – 2.17	0.35	0.47	3.23	82.02

Type SB (Spiral tape)



PRODUCT INFORMATION

The SBX type cable tapes are manufactured from modified PVC and are used for the protection and bundling of large cable harnesses or hydraulic hoses.

Based on the outstanding abrasion resistance and excellent fire resistance, the SBX is very suitable for use with heavy machinery and mining, as well as for commercial vehicles.

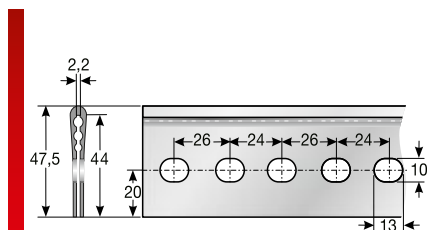
SPECIFICATIONS

-  14 – 140 °F short term 158 °F
-  Polyvinyl chloride (PVC)
-  Acc. to UL94 V0



Type	Order No.	Color	Bundle range inch	inside inch	external inch	Weight lbs/100ft	Pack qty.
SBX 16	87621604	Black	0.63 – 1.02	0.63	0.77	6.72	65.62
SBX 20	87621606	Black	0.79 – 1.06	0.79	0.95	11.42	65.62
SBX 34.5	87621614	Black	1.38 – 2.36	1.36	1.57	28.22	65.62

Edge protection profile



PRODUCT INFORMATION

The KSP 47.5 edge protection profile is manufactured of specially modified thermoplastic rubber. Materials are self-extinguishing, halogen-free and tested according to EN 45545-2 standards.

Exceptional mechanical properties characterize the edge protection profile, it is abrasion-proof and fixed on a pre-set hole pattern.

SPECIFICATIONS



14–185 °F



Thermoplastic elastomer



Acc. to UL94 V0 UL94



Type	Order No.	Color	Pack ft.
Edge protection profile 47,5 mm ¹⁾	83980105	Black	82.02

¹⁾ Shore hardness A 78



Tools



The KE wire insertion tool is made of specially modified polyamide. It allows subsequent insertion of cables into slotted and split cable protection conduits and features the following advantages:

- Very easy handling
- Fast insertion of cables
- No unnecessary deformation of the conduit



Mod. polyamide PA 6

[illegible]

Type Tube-Cut (Conduit knife for cable protection conduits)



PRODUCT INFORMATION

The Tube-Cut conduit knife allows subsequent slitting of closed cable protection conduits. It can be used by both the right and left-handed. The sliding foot is made of extremely hard-wearing Teflon-coated metal. The Tube-Cut conduit knife features the following advantages:

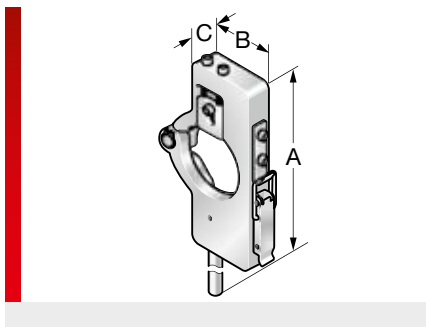
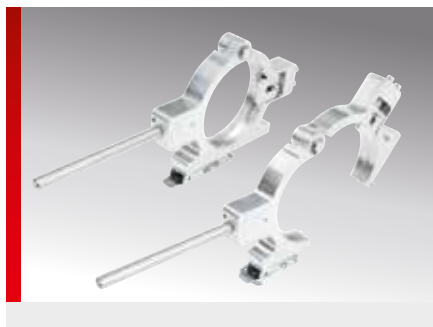
- Extremely easy handling
- Two different versions available
- Safe to use with a material hold-down device that also shields the blade
- Fast and safe blade change
- Very low weight

SPECIFICATIONS

	Plastic
	Steel
	Not suitable for NW95 with high corrugation

[illegible]

Type m-cut



PRODUCT INFORMATION

The type m-cut corrugated conduit cutter is made of aluminum and makes length adjustments for Murrplastik cable protection conduits easy and safe. It can be used by both the right and left-handed. A sturdy double-edged blade has been installed to achieve perfectly cut edges. Furthermore, the corrugated conduit cutters feature the following advantages:

- Extremely easy handling
- Safe handling, because of its spring-loaded blade cover, which covers the blade when the cutter is not in use.
- Faster and more secure blade exchange
-> blades are available as spare parts
- Low weight

SPECIFICATIONS



Aluminum



Made in
Germany

[illegible]



Appendix





Selection table cable protection conduits – material / temperatures / approvals

CONDUIT TYPE		TEMPERATURES					APPROVALS						
		Material	°C Lowest application temperature	°C Highest application temperature	°C Transient stress	Fire classification UL 94	RoHS – Reach	GL	ATEX	Robi	UR	EN 45545	CE
CLOSED STANDARD CABLE PROTECTION CONDUITS	EW	PE	-20	70	90	HB	●						●
	EWX	PE	-20	70	90	HB	●						●
	EWS	PE	-20	70	90	HB	●						●
	EWf	PE	-20	90	120	V2	●						●
	EWS/F	PE	-20	90	120	V2	●						●
	EW-PP	PP	-45	130	150	V2	●						●
	EWL-PP	PP	-45	130	150	V2	●						●
	EWX-PP	PP	-45	130	150	V2	●						●
	EW-PA	PA6	-40	140	160	HB	●						●
	EWL-PA	PA6	-40	140	160	HB	●						●
	EWX-PA	PA6	-40	140	160	HB	●						●
	EW-PAB	PA6	-25	140	160	V0	●	●			●		●
	EWL-PAB	PA6	-25	140	160	V2	●	●					●
	EW-PAT	PA6	-40	140	180	V2	●					●	●
	EWL-PAT	PA6	-40	140	180	V2	●					●	●
	EW-PA-UL	PA6	-40	140	160	V0	●	●			●		●
	EWX-PA-UL	PA6	-40	140	160	V0	●	●			●		●
	EW-PRF	PA12	-40	105	150	V2	●	●		●	●		●
	EW-PRT	PA12	-40	120	140	V2	●			●		●	●
	EW-PAE	PA12	-40	120	150	HB	●			●			●
	EWX-PAE	PA12	-40	120	150	HB	●			●			●
	EW-HY	TPE	-45	160	180	HB	●			●			●
	EWX-HY	TPE	-45	160	180	HB	●			●			●
CLOSED SPECIAL CABLE PROTECTION CONDUITS	EF	TPE	-45	160	180	HB	●			●			●
	EWB	PE	-15	90	120	HB	●						●
	EW-TEF	PTFE	-200	260		V0	●						●
	EW-PA-EX	PA12	-40	110	150	HB	●		●*				●
	EW-PAP	PA6	-40	120	140	HB	●						●
	EW-PATM	PA6	-40	120	140	V2	●					●	●
	EL	PVC	-15	60		V2	●						●
	ELS	PVC	-25	80	100	V2	●						●
	EVK	PVC	-15	60		V2	●						●
	GF	PA6.6	-50	150	175	V2	●						●
	GF-P	PET	-55	150		V2	●						●
OPEN / SEPARABLE CABLE PROTECTION CONDUITS	EW-LS	PE	-20	70	90	HB	●						●
	EWX-LS	PE	-20	70	90	HB	●						●
	EW-PA-LS	PA6	-40	140	160	HB	●						●
	EWX-PA-LS	PA6	-40	140	160	HB	●						●
	EWX-PAE-LS	PA12	-40	120	150	HB	●			●			●
	EWX-HY-LS	TPE	-45	160	180	HB	●			●			●
	EWT-PA	PA6	-40	140	160	HB	●						●
	EWT-PAT	PA6	-40	140	180	V0	●					●	●
	EWT-PP	PP	-40	130	150	V2	●						●

* tested according to ATEX directive only

Selection table cable protection conduits – applications

CONDUIT TYPE		APPLICATIONS						
		Control cabinet construction Mechanical engineering Robotics engineering Chemical plants External use Welding applications Railway engineering						
								
CLOSED STANDARD CABLE PROTECTION CONDUITS	EW	•						
	EWX	•						
	EWS	•						
	EWF	•						
	EWS/F	•						
	EW-PP		•		•	•		
	EWL-PP	•	•					
	EWX-PP		•		•	•		
	EW-PA		•			•		
	EWL-PA	•	•					
	EWX-PA		•			•		
	EW-PAB		•			•		
	EWL-PAB	•	•					
	EW-PAT		•					•
	EWL-PAT	•	•					•
	EW-PA-UL	(•)	•			•		
	EWX-PA-UL		•			•		
	EW-PRF		•	•	•	•		
	EW-PRT		•	•	(•)	•		•
	EW-PAE		•	•	(•)	•	•	
	EWX-PAE			•	(•)		•	
	EW-HY		•	•	(•)			
	EWX-HY			•	(•)			
CLOSED SPECIAL CABLE PROTECTION CONDUITS	EF		•	•				
	EWB				(•)	(•)		
	EW-TEF		•		•	(•)		
	EW-PA-EX		•	(•)				
	EW-PAP		•				•	
	EW-PATM		•					•
	EL		•		•			
	ELS		•		•			
	EVK		•		•			
	GF	•						
	GF-P	•			(•)			
OPEN / SEPARABLE CABLE PROTECTION CONDUITS	EW-LS	•						
	EWX-LS	•						
	EW-PA-LS	•	•					
	EWX-PA-LS	•	•					
	EWX-PAE-LS			•	(•)	•		
	EWX-HY-LS			•	(•)	•		
	EWT-PA	•	•					
	EWT-PAT	•	•					•
	EWT-PP	•	•		•	•		



Selection table cable protection conduits – mechanical protection

CONDUIT TYPE		MECHANICAL PROTECTION					
		low	medium	high	very high	extremely high	Crush resistance (N/100 mm)
							
CLOSED STANDARD CABLE PROTECTION CONDUITS	EW	•					200
	EWX		•				500
	EWS	•					50
	EWF	•					200
	EWS/F	•					50
	EW-PP			•			700
	EWL-PP		•				550
	EWX-PP				•		1300
	EW-PA			•			800
	EWL-PA		•				550
	EWX-PA				•		1300
	EW-PAB			•			800
	EWL-PAB		•				550
	EW-PAT			•			800
	EWL-PAT		•				550
	EW-PA-UL				•		1300
	EWX-PA-UL					•	2000
	EW-PRF			•			900
	EW-PRT		•				450
	EW-PAE		•				450
	EWX-PAE		•				550
	EW-HY		•				400
	EWX-HY			•			700
CLOSED SPECIAL CABLE PROTECTION CONDUITS	EF	•					300
	EWB			•			750
	EW-TEF	•					200
	EW-PA-EX		•				350
	EW-PAP			•			800
	EW-PATM			•			800
	EL		•				550
	ELS					•	2000
	EVK		•				450
	GF	•					—
	GF-P	•					—
OPEN / SEPARABLE CABLE PROTECTION CONDUITS	EW-LS	•					100
	EWX-LS		•				400
	EW-PA-LS			•			700
	EWX-PA-LS				•		1200
	EWX-PAE-LS		•				450
	EWX-HY-LS		•				600
	EWT-PA				•		1200
	EWT-PAT				•		1000
	EWT-PP			•			900

Selection table fittings – features and approvals

TYPE OF FITTING												APPROVALS	
		Plastic thread	Metal thread	Combined cable fitting	Pivoting (fitting)	Rotating (conduit)	Tightness	Fire classification UL 94	CE	RoHS - Reach	GL	UR	EN 45545
							IP						
M-TOP	IVG		•				IP 68	V0	•	•	•	•	•
	VG -K	•					IP 68	V0	•	•	•	•	•
	VG -M		•				IP 68	V0	•	•	•	•	•
	CVG	•		•			IP 68	V0	•	•	•	•	•
	CVG EMV		•	•			IP 68	V0	•	•	•	•	•
	VW 45° -K	•					IP 68	V0	•	•	•	•	•
	VW 45° -M		•				IP 68	V0	•	•	•	•	•
	CVW 45°	•		•			IP 68	V0	•	•	•	•	•
	CVW 45° EMV		•	•			IP 68	V0	•	•	•	•	•
	DVW 45°		•		•		IP 68	V0	•	•	•	•	•
	VW 90° -K	•					IP 68	V0	•	•	•	•	•
	VW 90° -M		•				IP 68	V0	•	•	•	•	•
	CVW 90°	•		•			IP 68	V0	•	•	•	•	•
	CVW 90° EMV		•	•			IP 68	V0	•	•	•	•	•
	DVW 90°		•		•		IP 68	V0	•	•	•	•	•
M-TEC	EH	•					IP65	V0	•	•		•	•
	EH/S	•					IP65	V0	•	•			•
	CSKV	•		•			IP65	V0	•	•		•	•
	MCSKV	•		•			IP65	V0	•	•			•
	KW 90°	•					IP65	V0	•	•		•	•
	CKW	•		•			IP65	V0	•	•		•	•
M-FIX	MSV	•				•	IP54	V0	•	•	•		•
	KSV	•		•		•	IP54	V0	•	•	•		•
	WSV 90°	•				•	IP54	V0	•	•	•		•
BULKHEAD FITTING	KFW	(•)					IP65	V0	•	•	•		•
	KFW/D					•	IP54	V0	•	•	•		•
	KFW/X					•	IP54	V0	•	•	•		•
JUM-BO	SA-Jumbo					•	IP52	V0	•	•	•		
	KFW-Jumbo					•	IP52	V0	•	•	•		
SPECIAL FITTING	EH-EMV		•				IP40		•	•			
	AT						IP42	V0	•	•			•
	SVT	•					IP50	V0	•	•			•
	SVT-X	•					IP50	V0	•	•			•
	EVK-PG		•				IP65		•	•			
	FL-EF						IP42	HB	•	•			
	ELD/K	•					IP54		•	•			
CABLE FITTINGS	m-seal® KV	•		•			IP68	V2	•	•		•	
	m-seal® MV		•	•			IP68	V2	•	•		•	
	m-seal® EMC		•	•			IP68	V2	•	•		•	
	WKK	•		•			IP65	V0	•	•	•	•	•
	WKK-EX	•		•			IP65	V0	•	•		•	•
	WKM		•	•			IP68	V0	•	•	•	•	•
	WKM-EMV		•	•			IP68	V0	•	•	•	•	•
	KKV		•	•					•	•			



Index of types

TYPE	PAGE	TYPE	PAGE	TYPE	PAGE
AT	673	EW-PP	566	RAB	742
BL	685	EW-PRF	584	RR	730
BST	727	EW-PRT	586	SA	668
BSTK	725	EWS	563	SB	743
BWM	738	EWS/F	565	SBF	743
CKW	651	EW-TEF	594	SBX	744
CSKV	645	EWT-PA	612	SS	739
CVG	623	EWT-PAT	613	SSG	740
CVG EMV	624	EWT-PP	614	SVG	694
CVW 45	629	EWX	562	SVT	674
CVW 45 EMV	630	EWX-HY	591	SVT-X	675
CVW 90	636	EWX-HY-LS	610	SVY	698
CVW 90 EMV	637	EWX-LS	605	Tube-Cut	749
DR-NBR	660	EWX-PA	575	UH	683
DS	670	EWX-PAE	589	UHE	682
DVW 45	631	EWX-PAE-LS	609	UHF	686
DVW 90	638	EWX-PA-LS	607	UHG	684
Edge protection profile	745	EWX-PA-UL	583	UH-S	688
EF	592	EWX-PP	570	USH	687
EF/B	689	EWX-PP-LS	608	USH/D	690
EG	732	FL-EF	677	VG	619, 621
EH	640	GF	601	VT	695
EH/S	643	GF-P	602	VT-V	697
EH-EMV	672	GF-P-LS	611	VW 45	625, 627
EK	741	GM	723	VW 90	632, 634
EL	598	GM EMV	724	WKK	707
ELD/K	678	GMT	722	WKK/Ex	710
ELS	599	HS/B	681	WKM	711
ER	732	HS/U	680	WKM-EMV	714
ET	736	IVG	618	WSV	658
ET-EN	735	KAW	737	YPA-F	699
EVK	600	KE	748	YTPE-F	700
EVK-PG	676	KFW	12		
EW	560	KFW/D	664		
EWB	593	KFW/X	665		
EWf	564	KGM	720		
EW-HY	590	KKV	715		
EWL-PA	573	KRR	728		
EWL-PAB	578	KSV	656		
EWL-PAT	580	KV-ME	716		
EWL-PP	568	KW 90	649		
EW-LS	604	MCSKV	647		
EW-PA	571	m-cut	750		
EW-PAB	576	m-seal® EMC (EMV)	706		
EW-PAE	587	m-seal® KV	702		
EW-PA-EX	595	m-seal® ME	717		
EW-PA-LS	606	m-seal® MV	704		
EW-PAP	596	MSV	654		
EW-PAT	579	MWKM	713		
EW-PATM	597	OR-NBR	734		
EW-PA-UL	581	PR/SV	692		